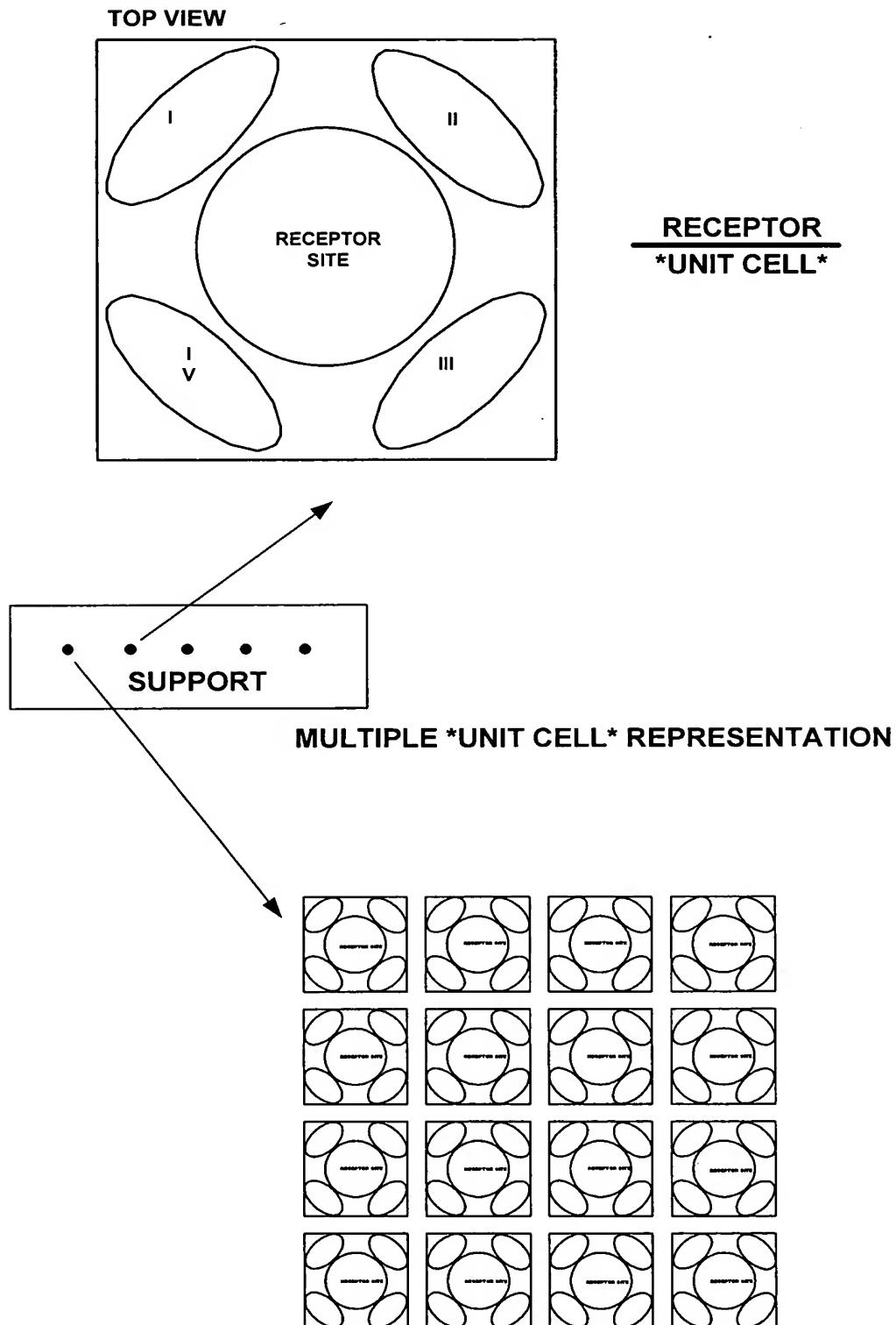


FIG.1



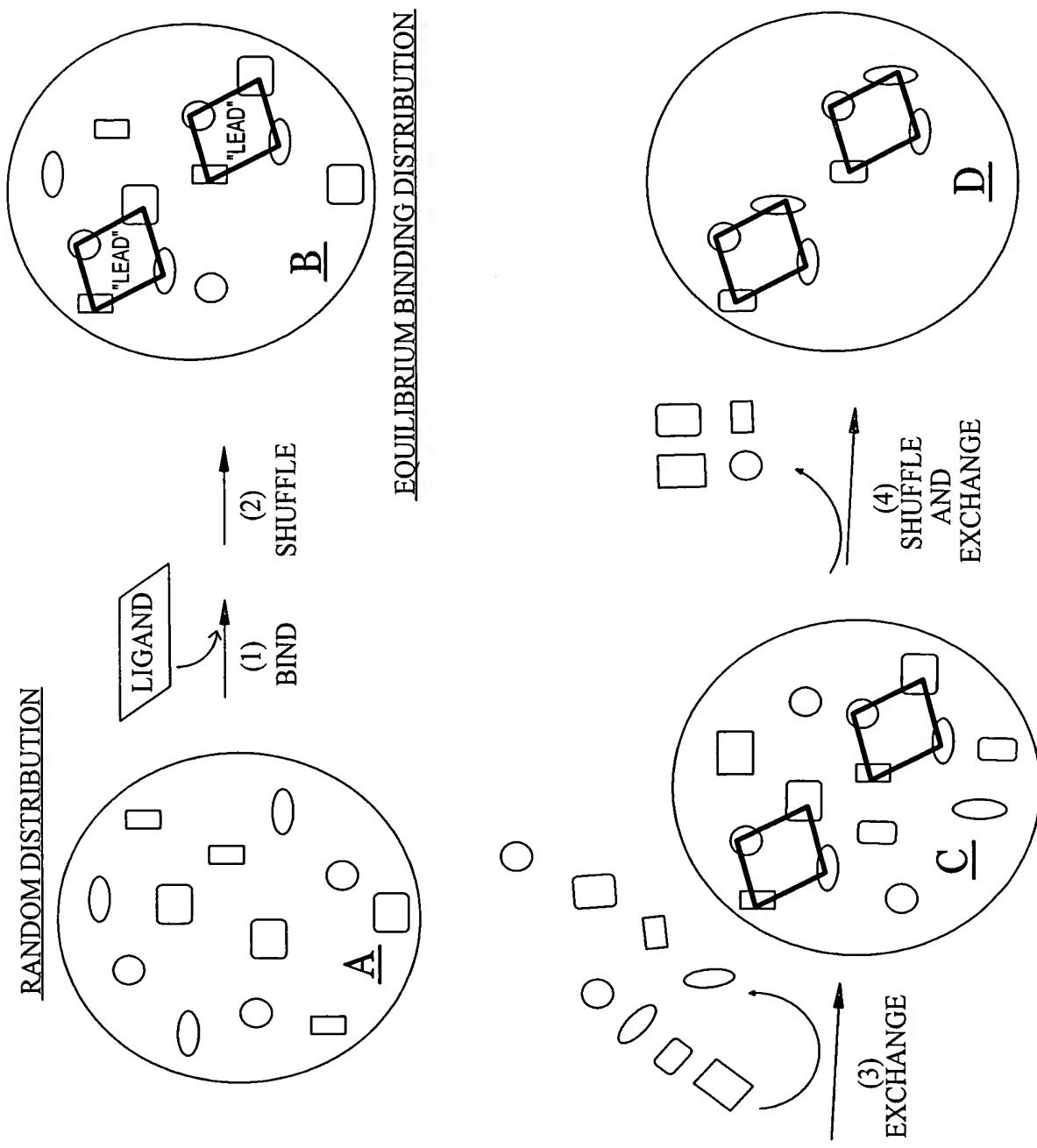


FIG.2

FIG.3A

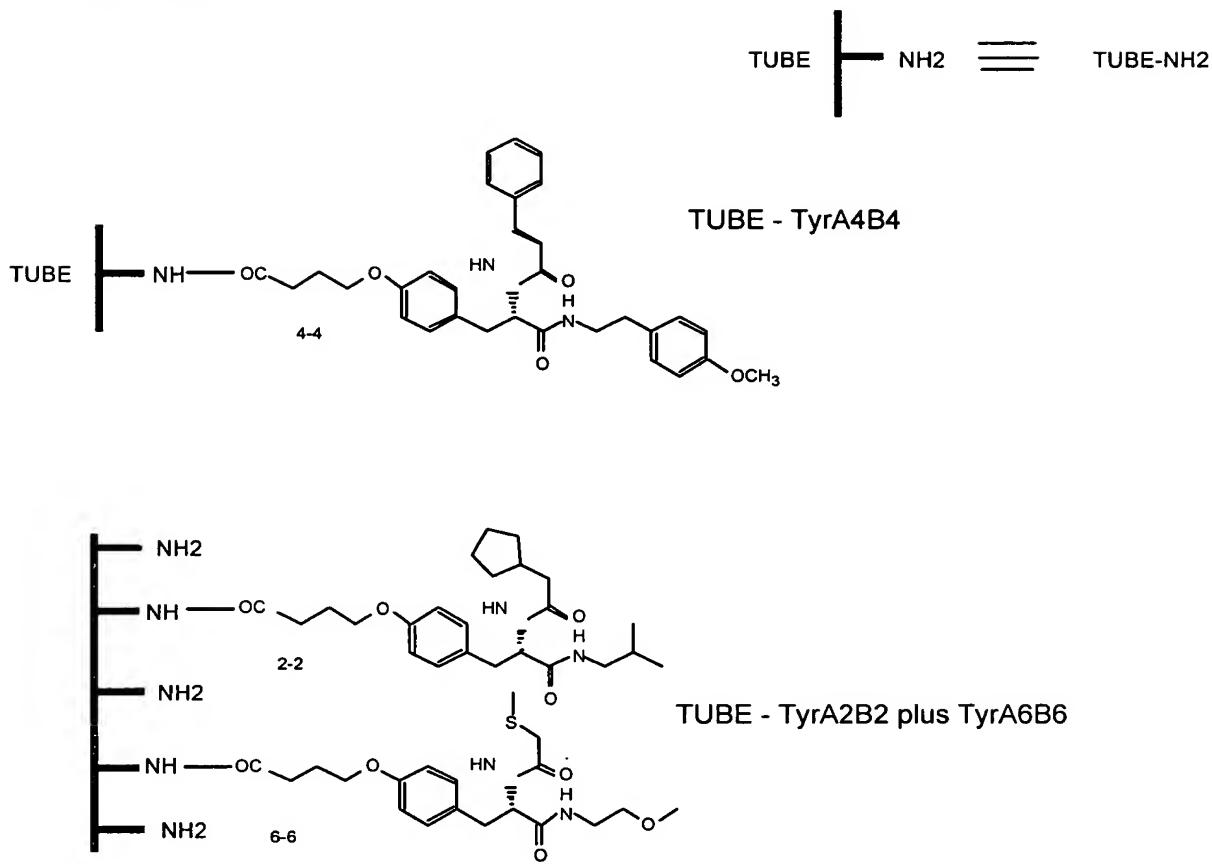


FIG.3B

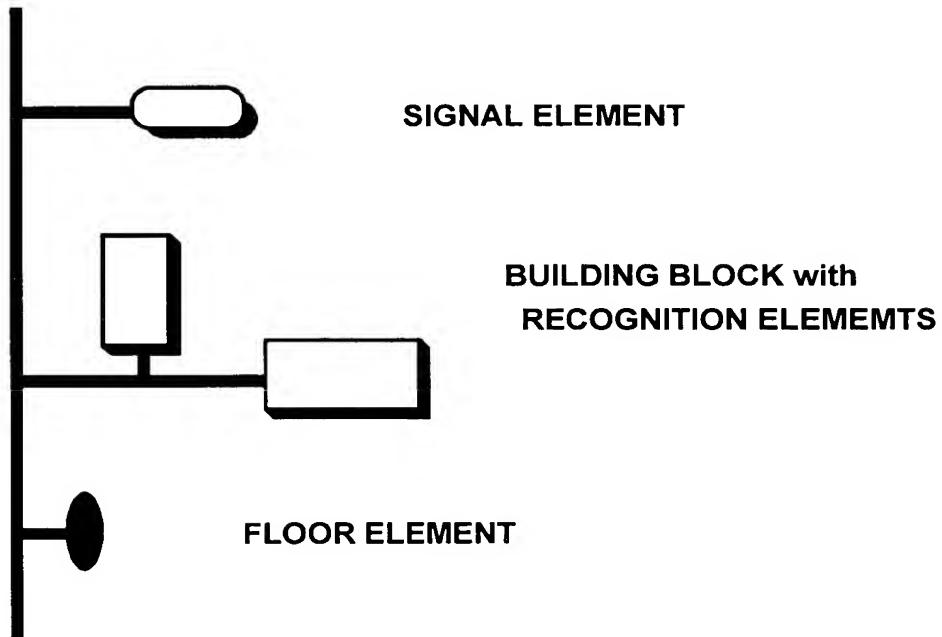


FIG.4

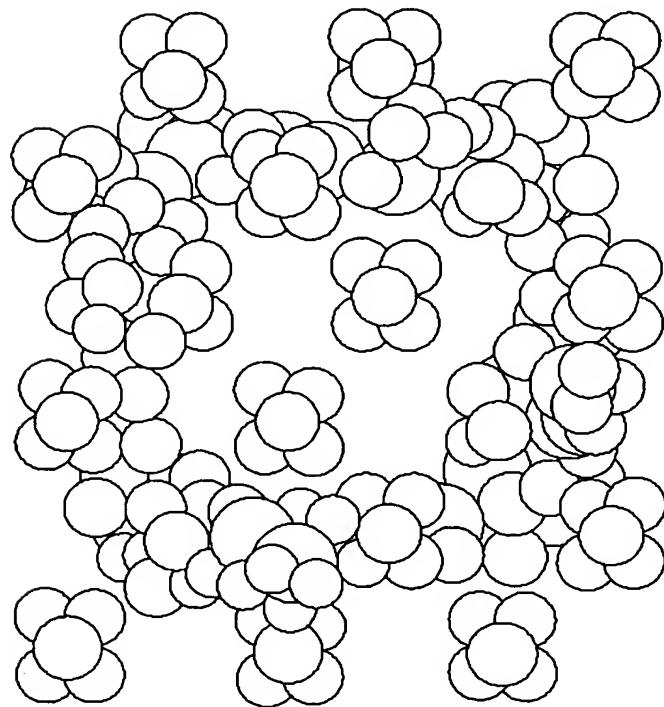


FIG.5

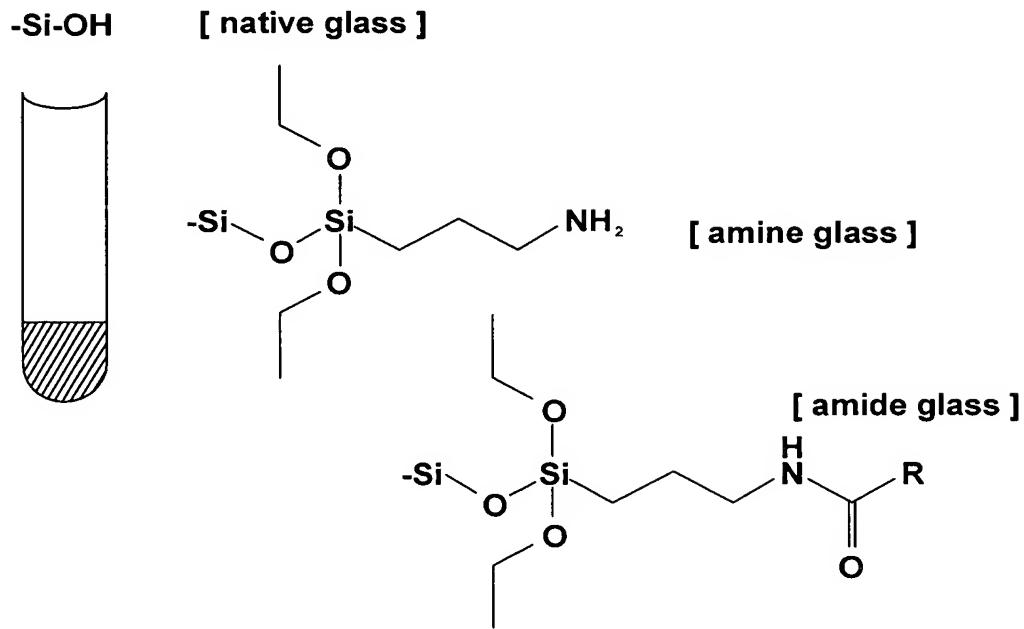


FIG.6

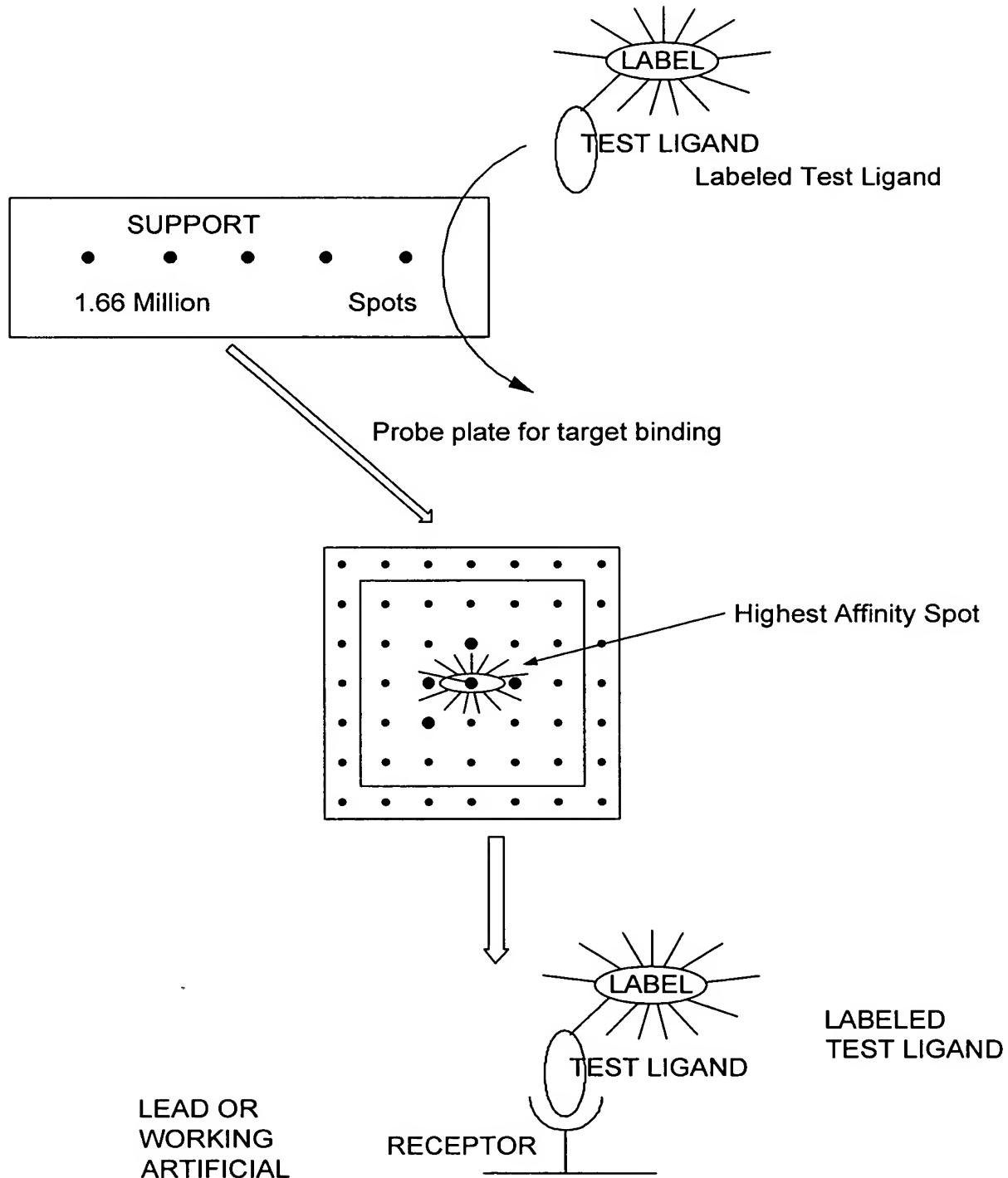


FIG.7

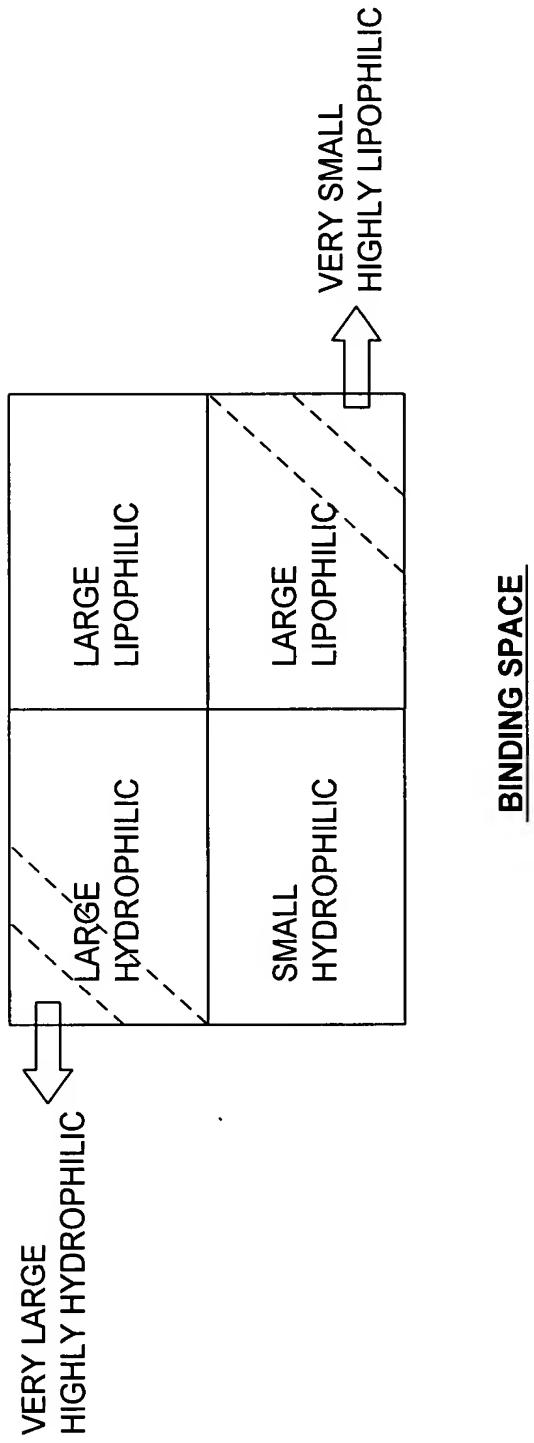


FIG.8

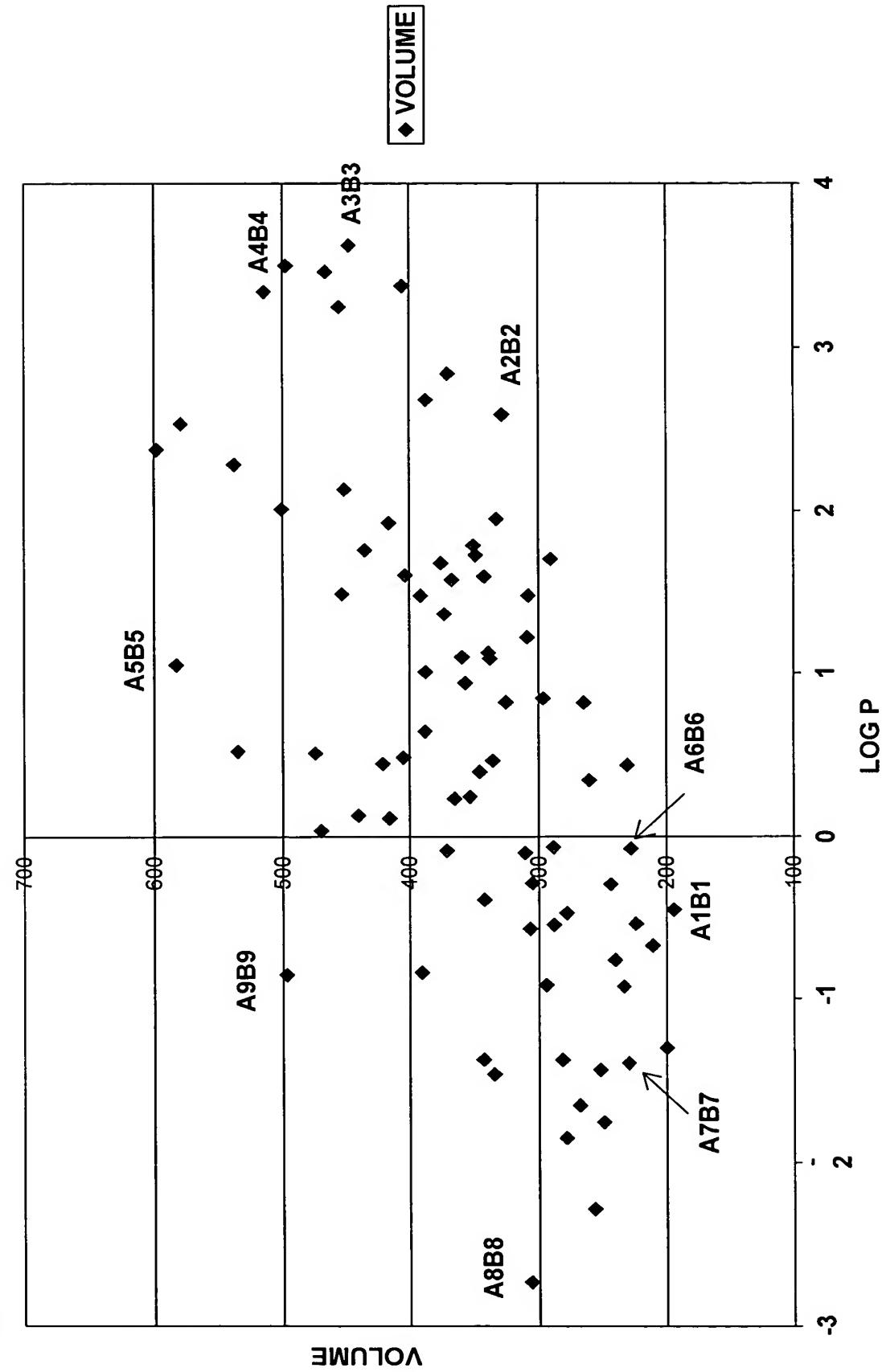


FIG.9A

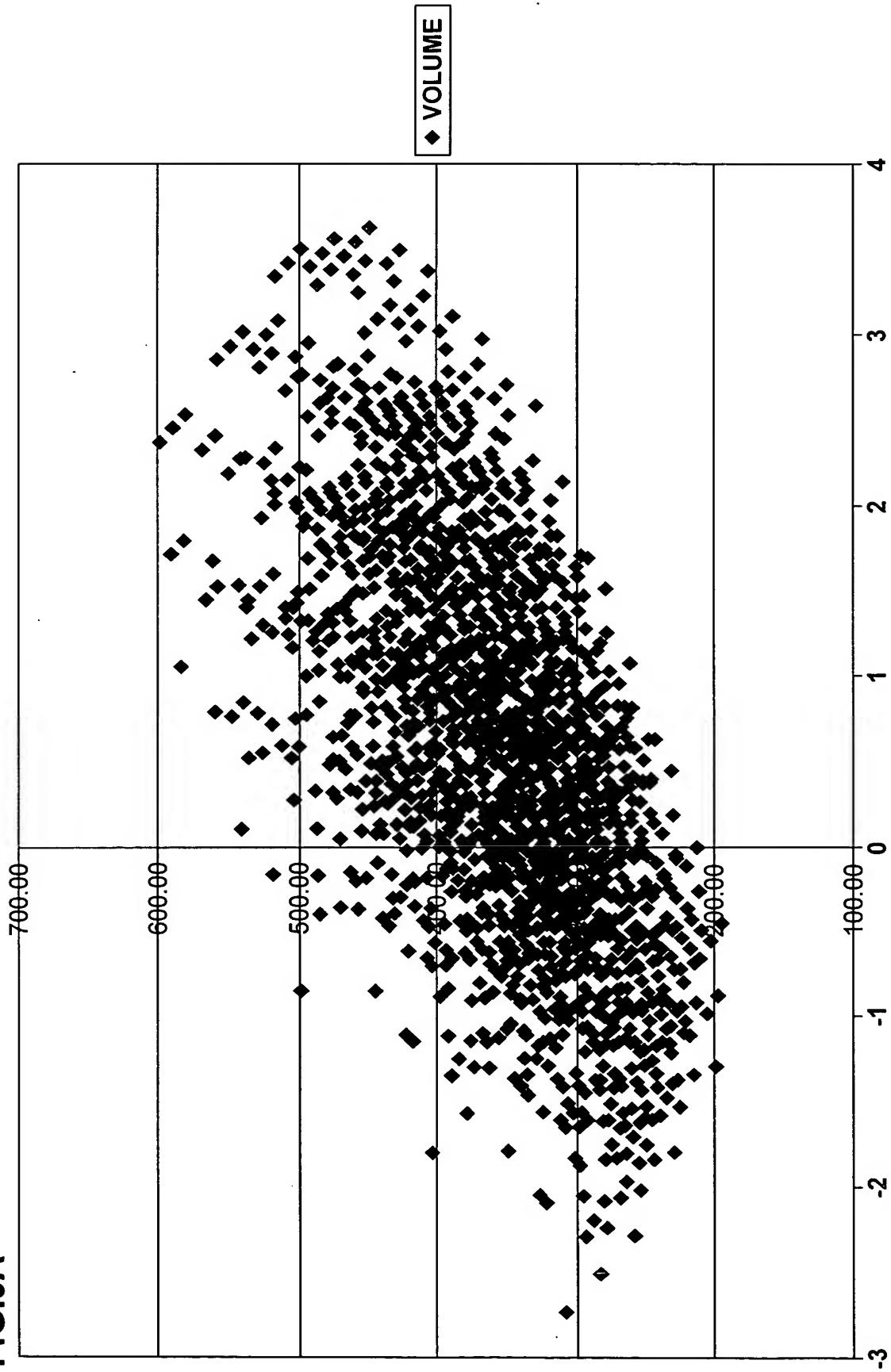
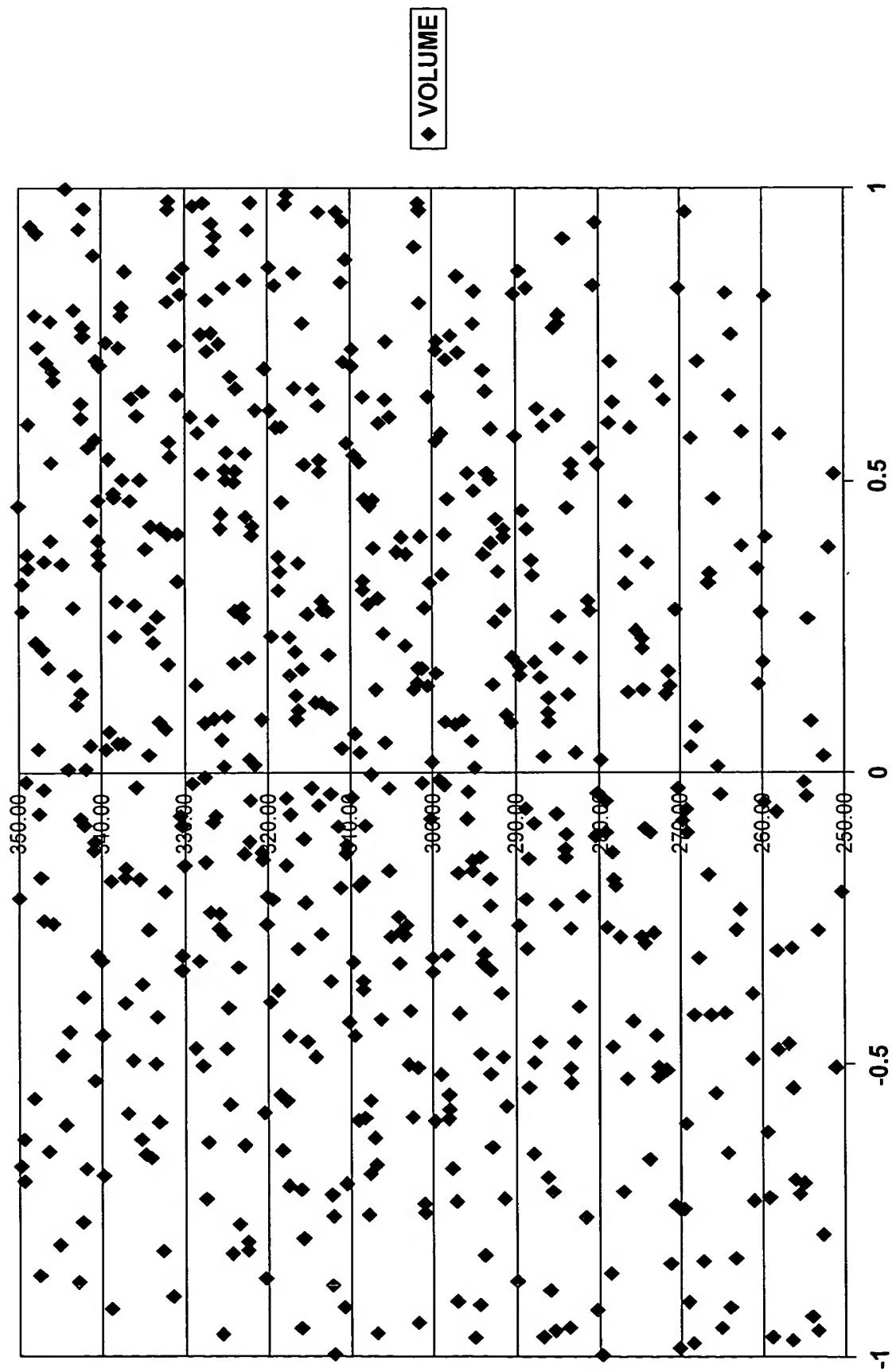


FIG. 9B



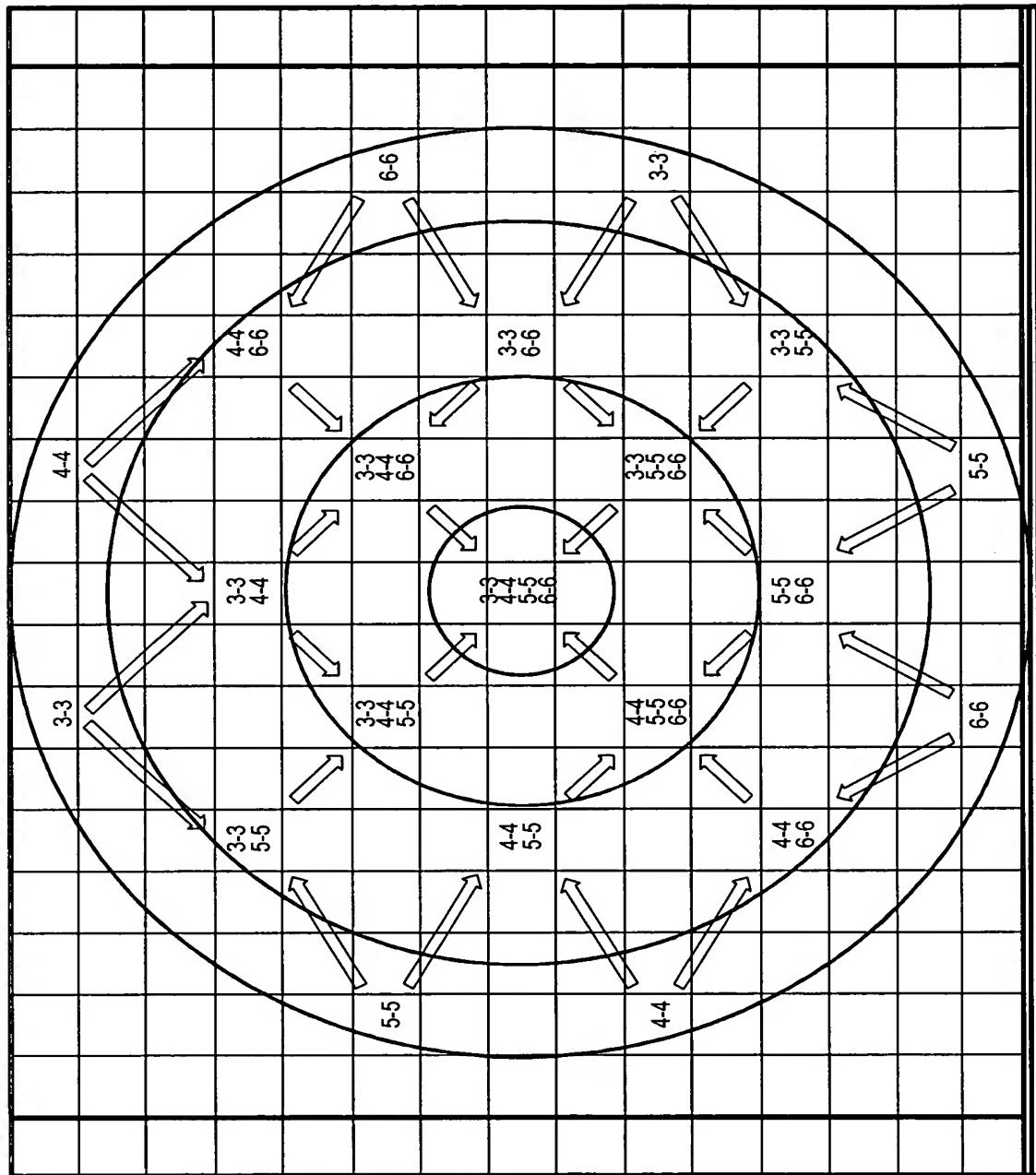


FIG. 10

FIG.11

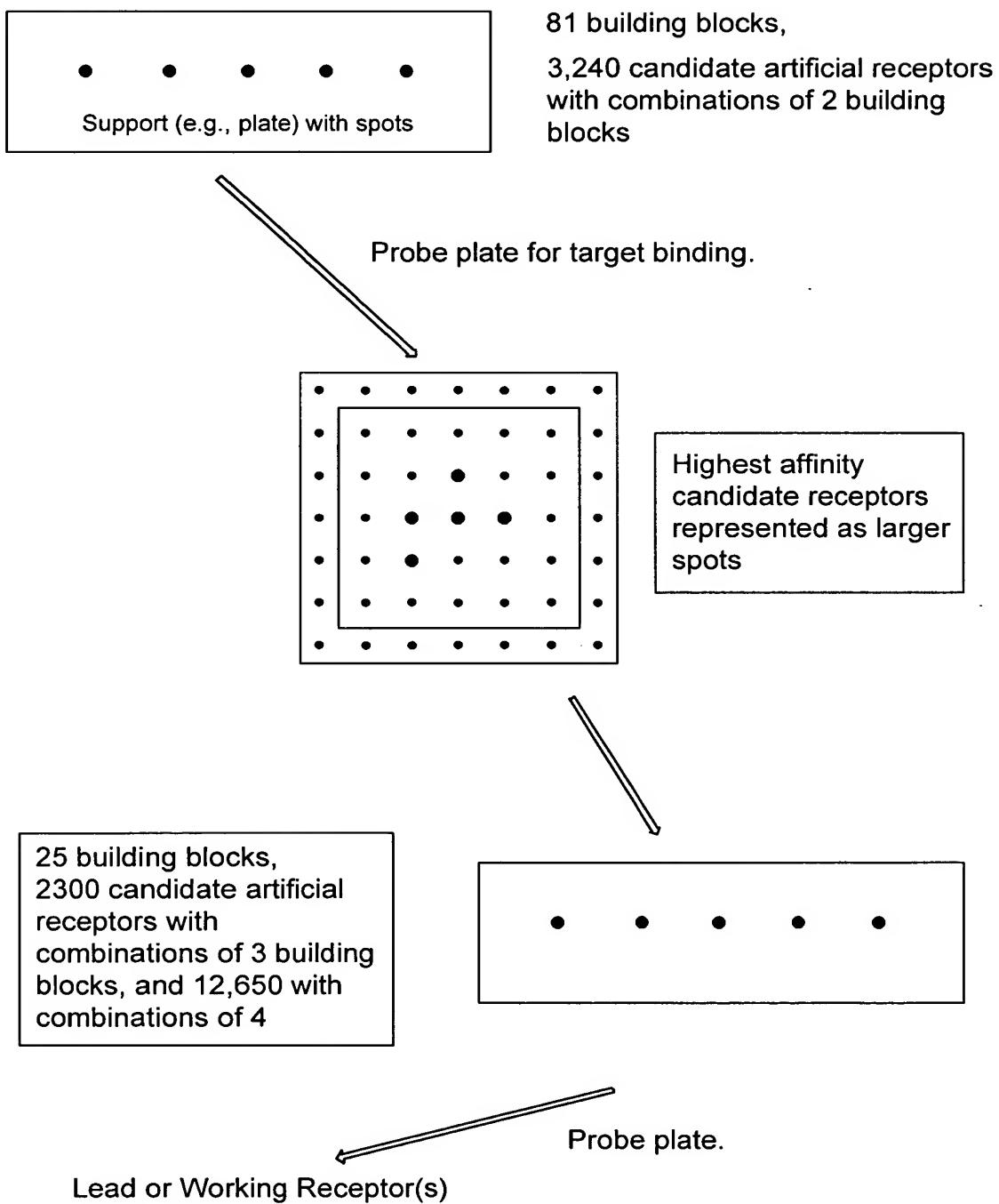
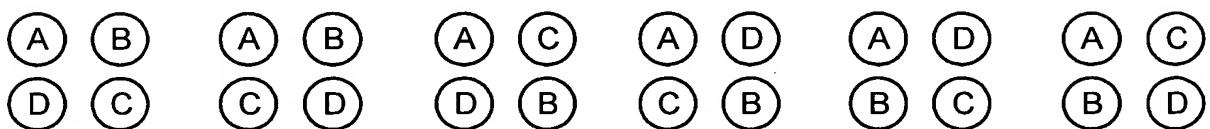
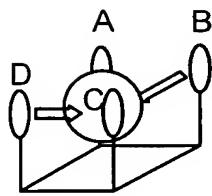


FIG.12

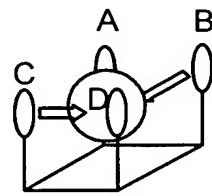
6 POSITIONAL ISOMERS OF 4 BUILDING BLOCKS AT VERTICES OF A QUADRILATERAL



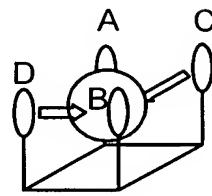
POSITIONAL ISOMERS ON A SCAFFOLD



ISOMER "1"



ISOMER "2"



ISOMER "3"

FIG.13B

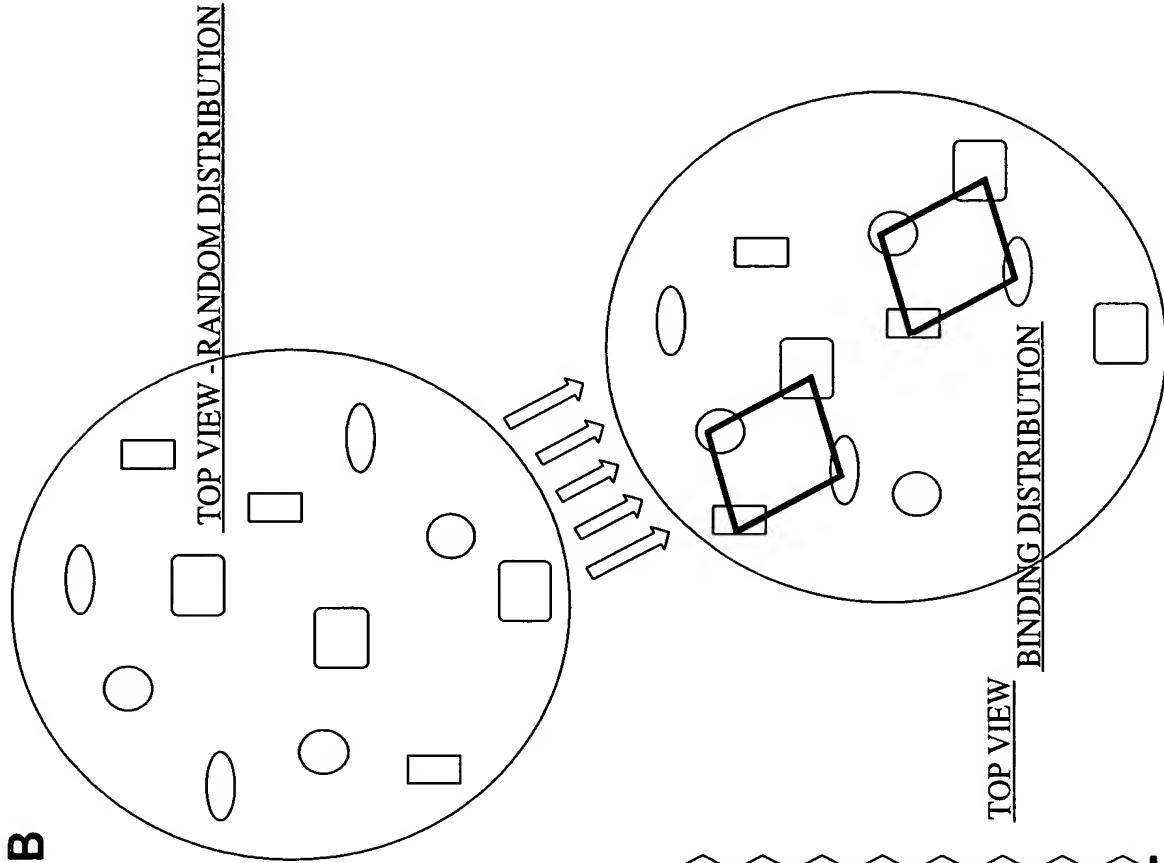
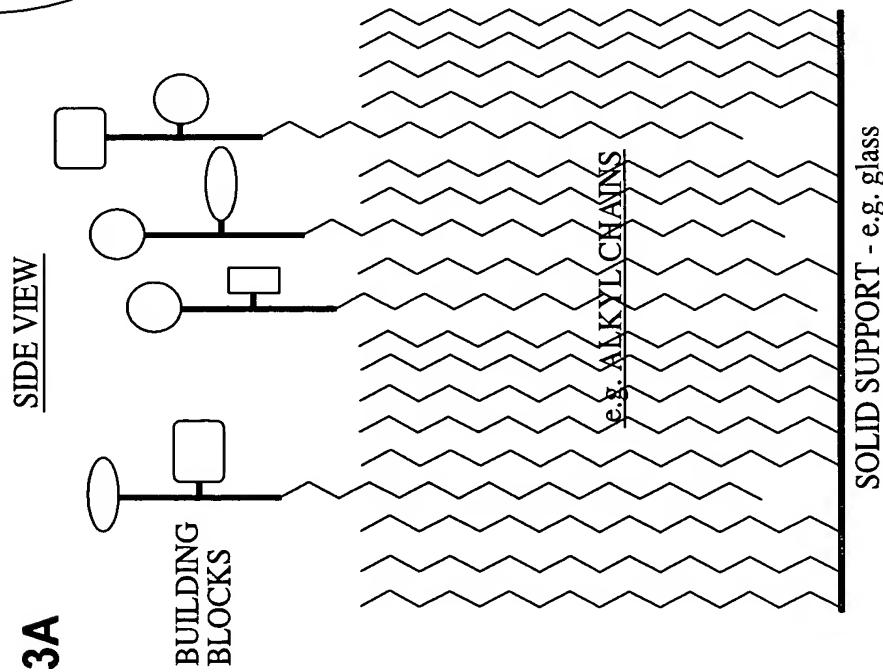


FIG.13A



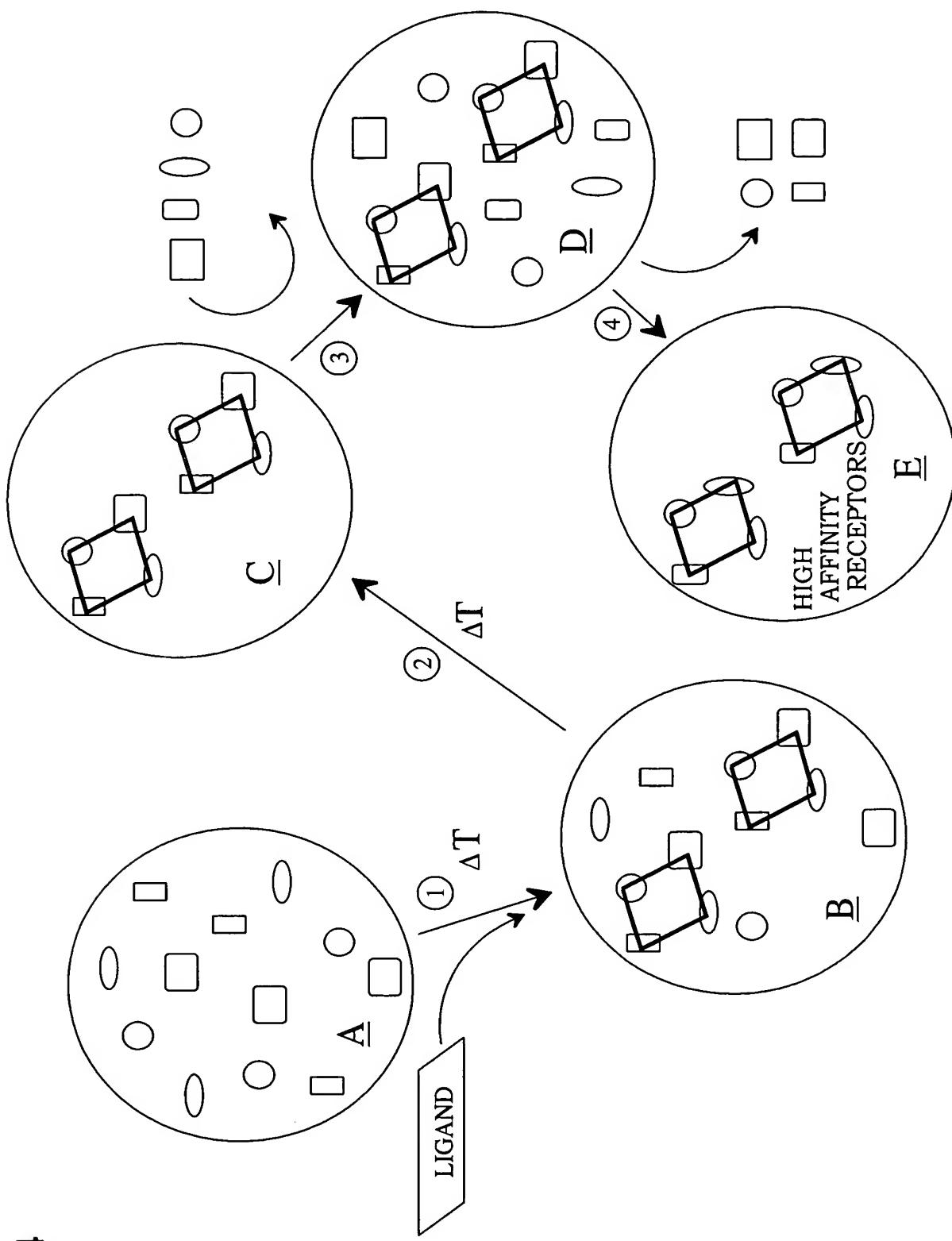


FIG.14

FIG.15

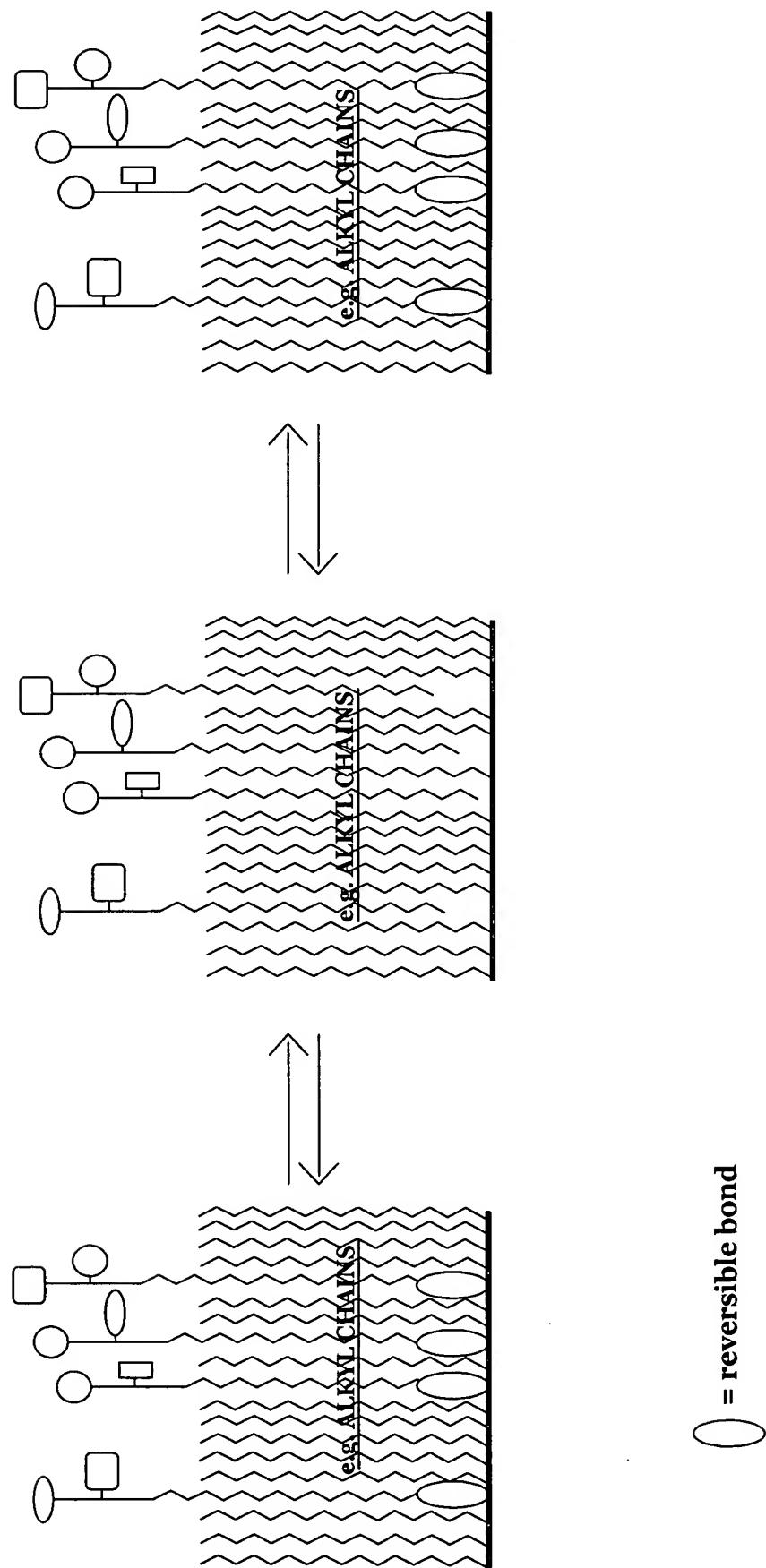


FIG.16B

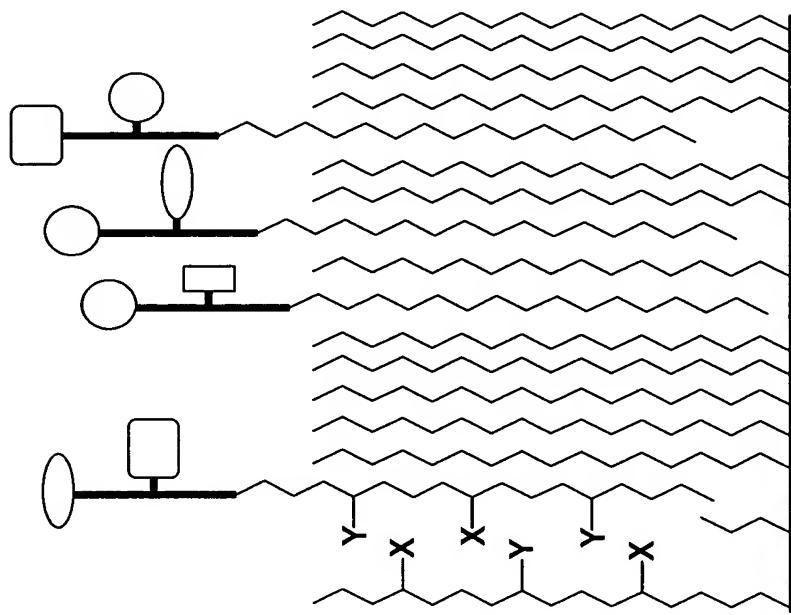
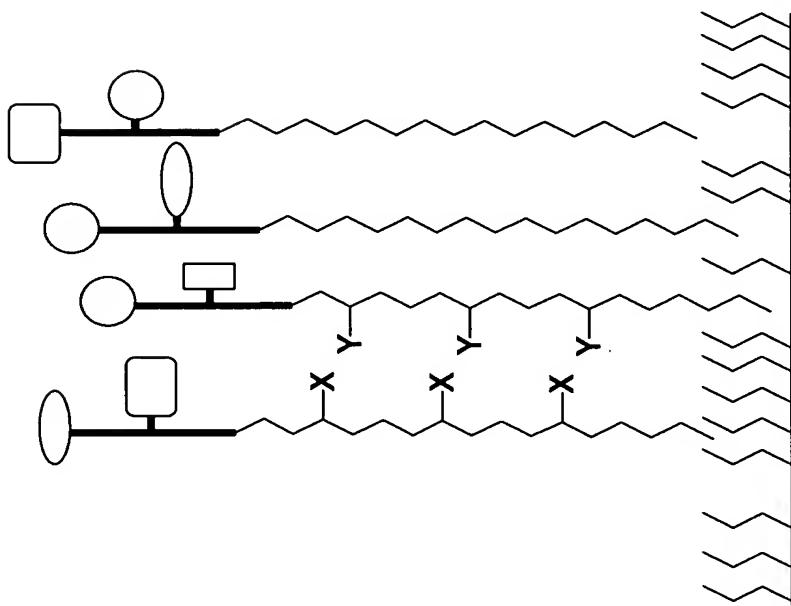


FIG.16A



N=81 Building Blocks

$n=3 \Rightarrow$	85,320
$n=4 \Rightarrow$	1,663,740
$n=5 \Rightarrow$	25,621,596
$n=6 \Rightarrow$	328,810,482
$n=7 \Rightarrow$	3,522,969,450
$n=8 \Rightarrow$	32,587,467,412

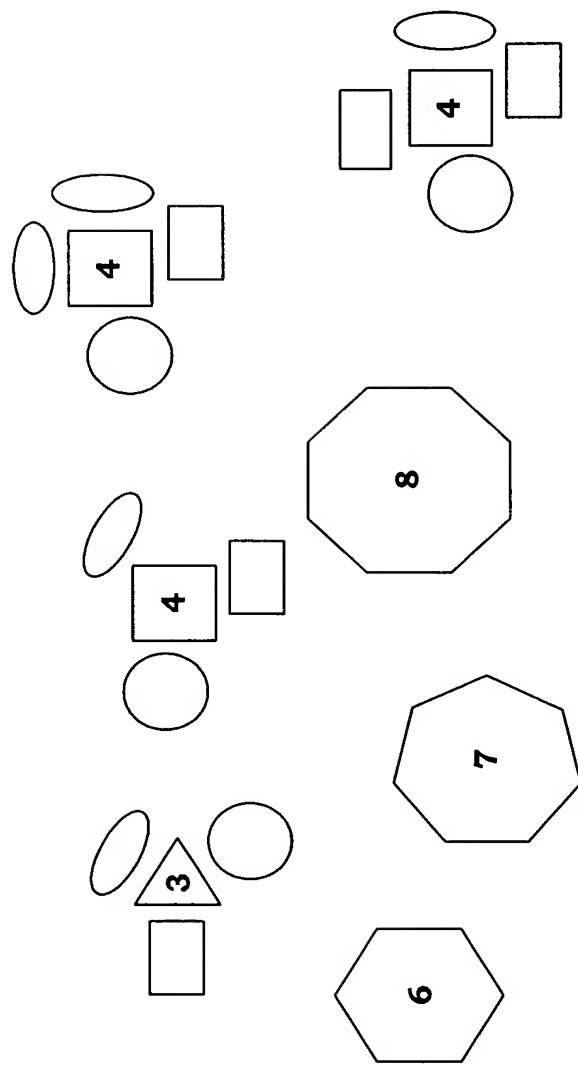


FIG.17

FIG.18

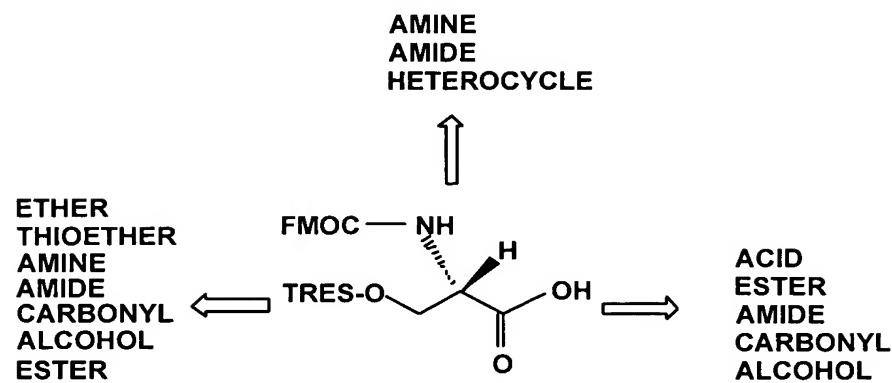


FIG.19

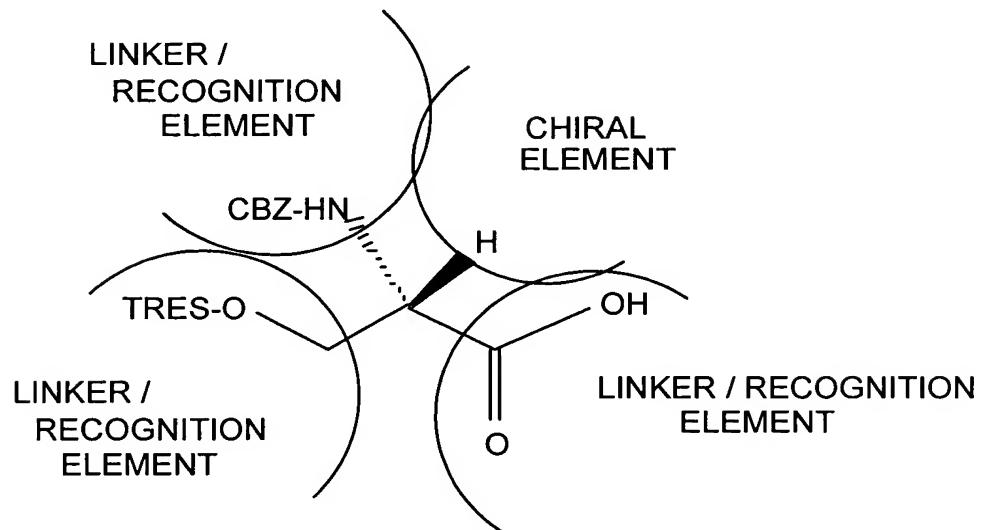


FIG.20

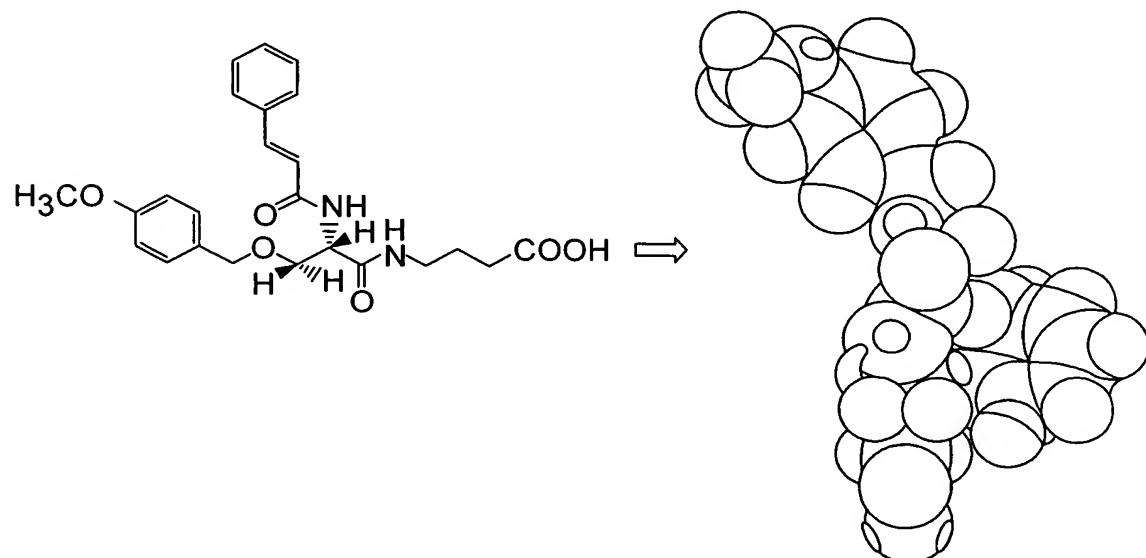
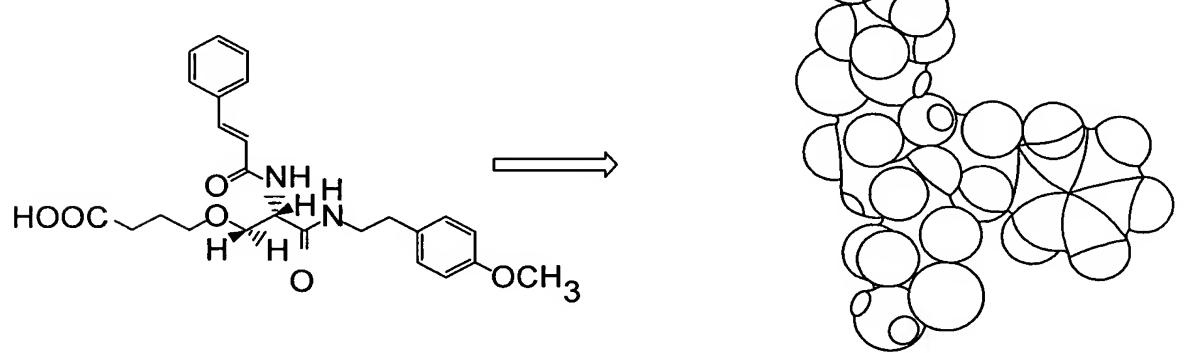
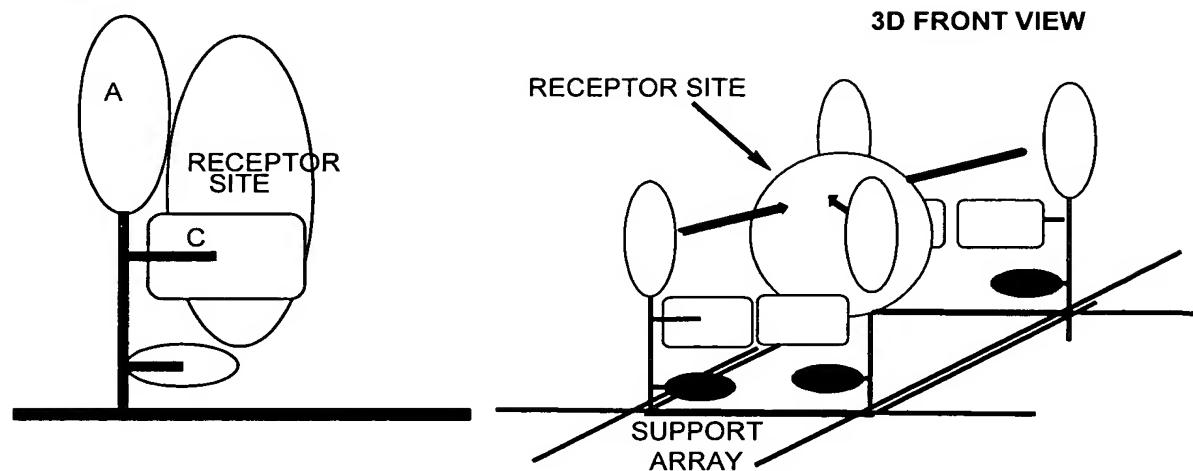


FIG.21

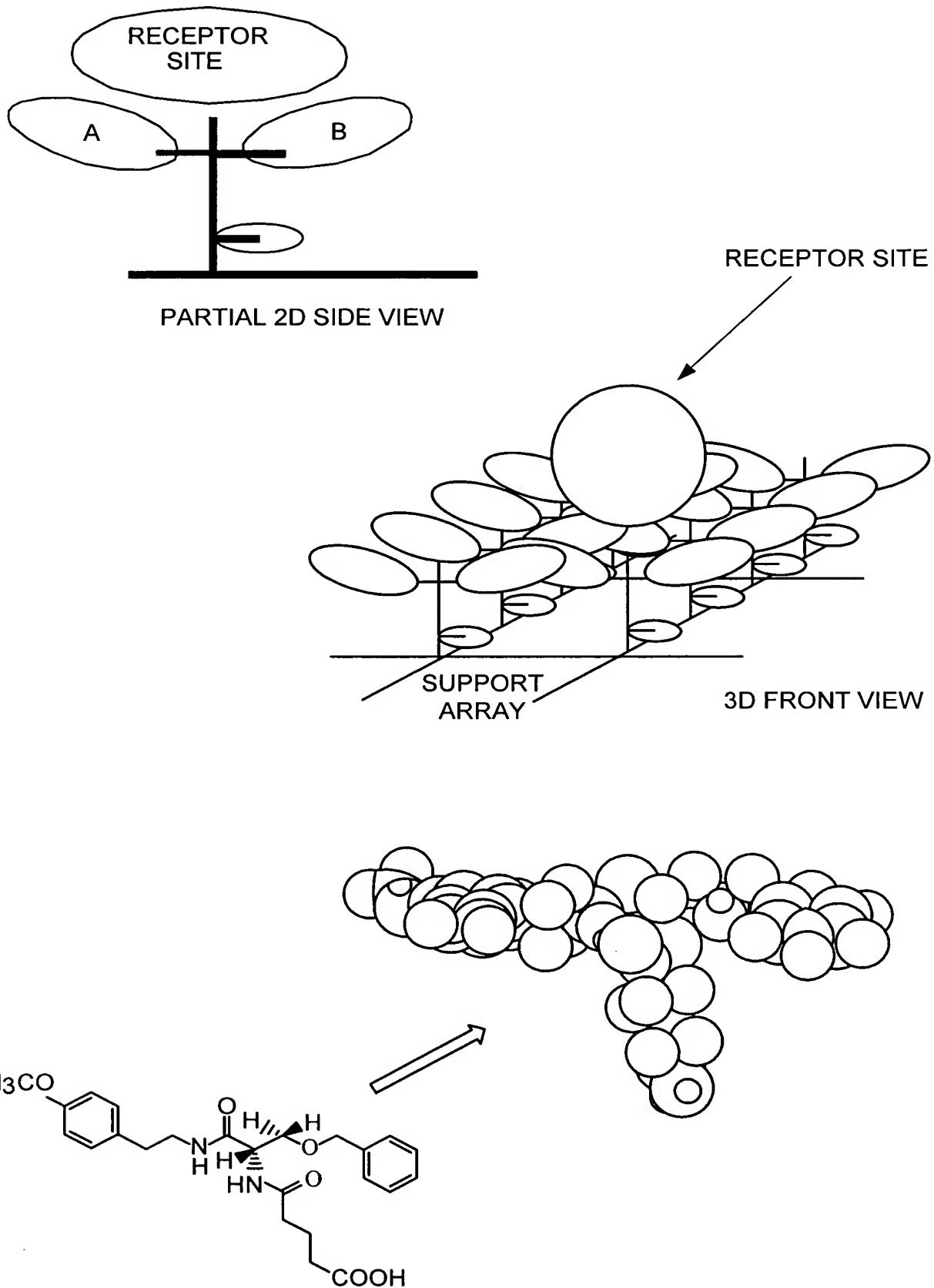
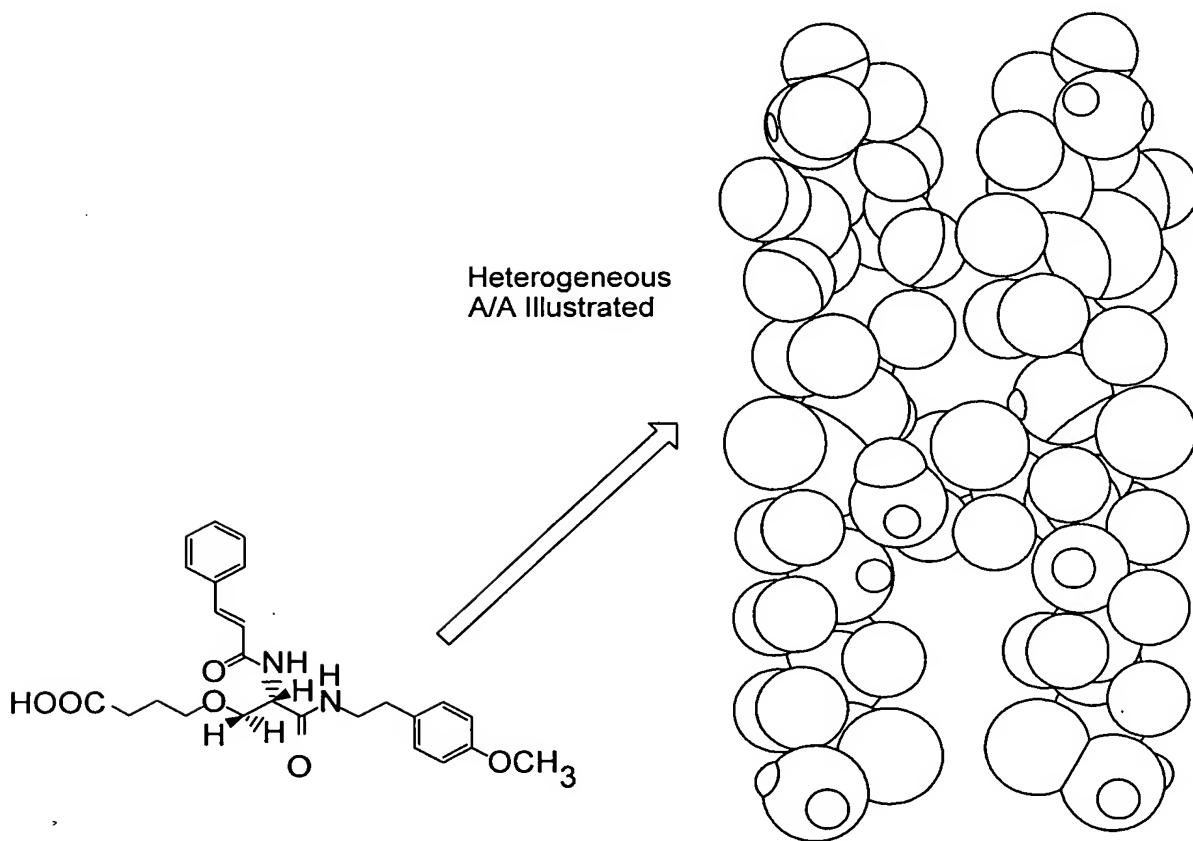
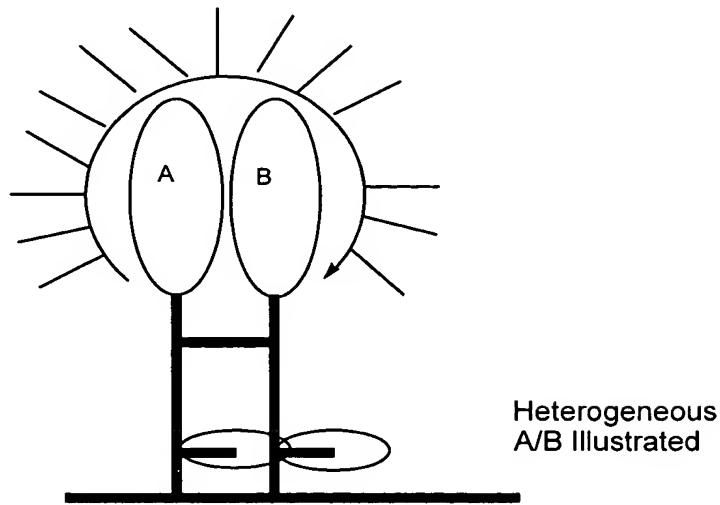


FIG.22



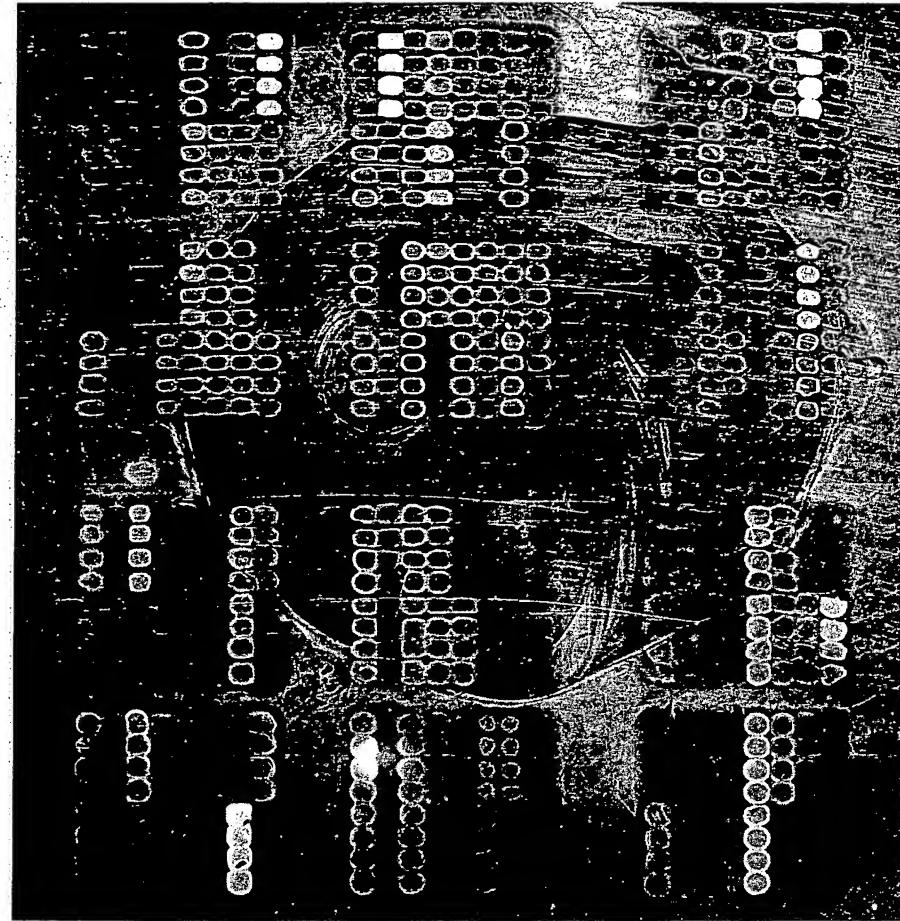


FIG. 23

Origin = 28, 140 pixels
(0.28, 1.4 mm)
Size = 2032 x 1888 pixels
(20.32 x 18.88 mm)
Scaling = 10 $\mu\text{m}/\text{pixel}$
Scanner = GenePix 4100A 01 [92896]
No averaging.
PMT Gain = 940
Laser Power = 100%
Normalization Factor = 1
Focus Position = 0

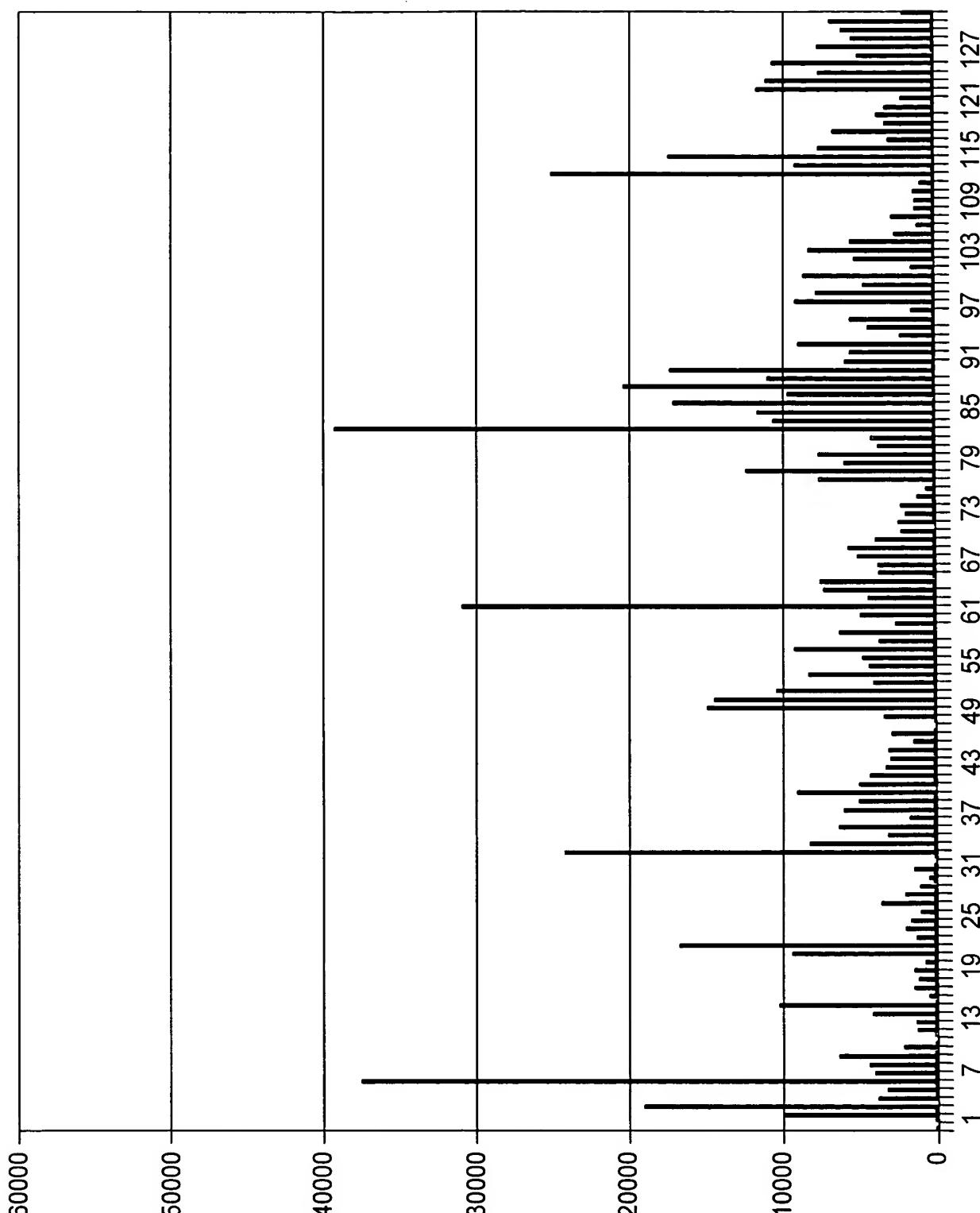
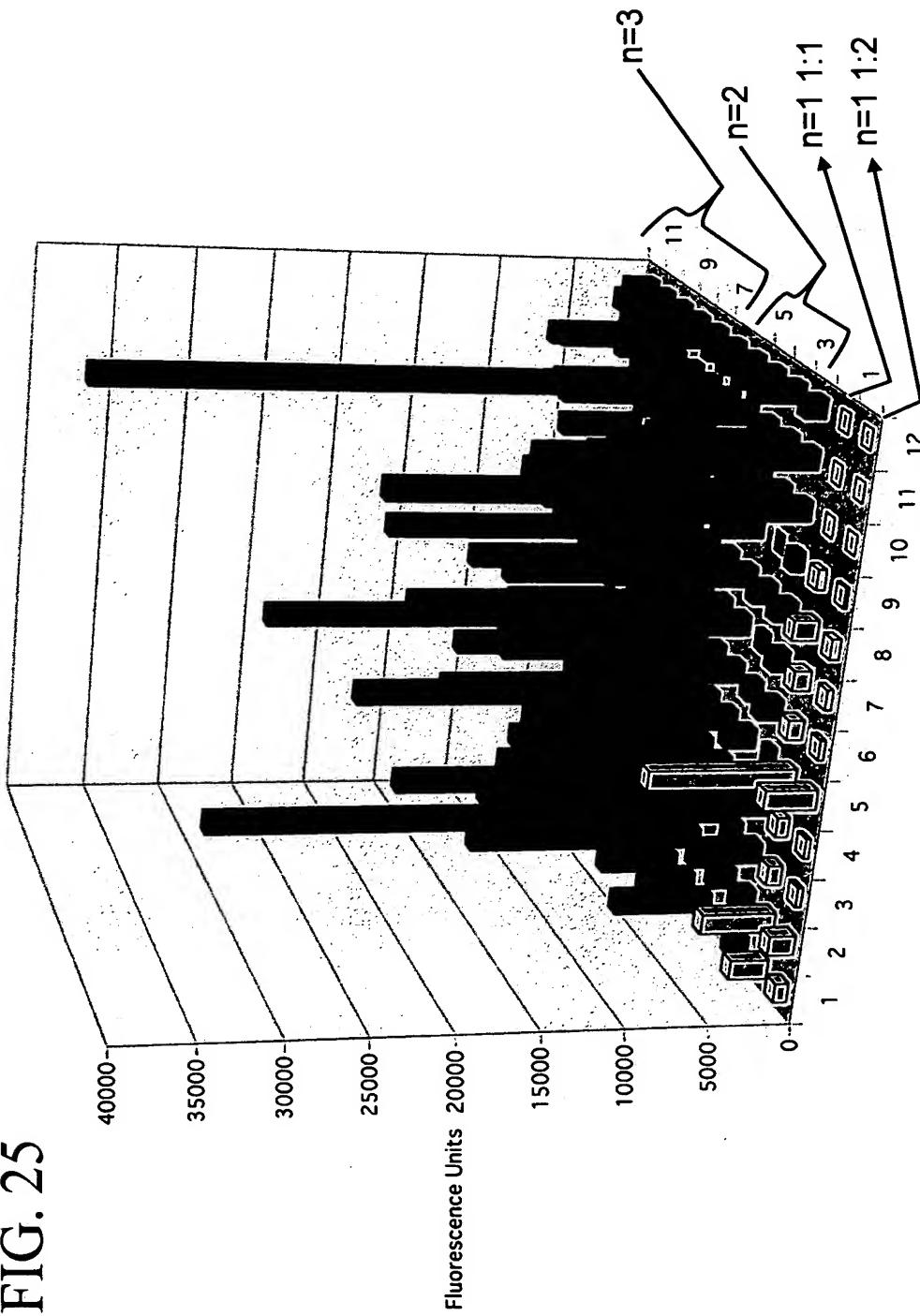


FIG.24

FIG 25



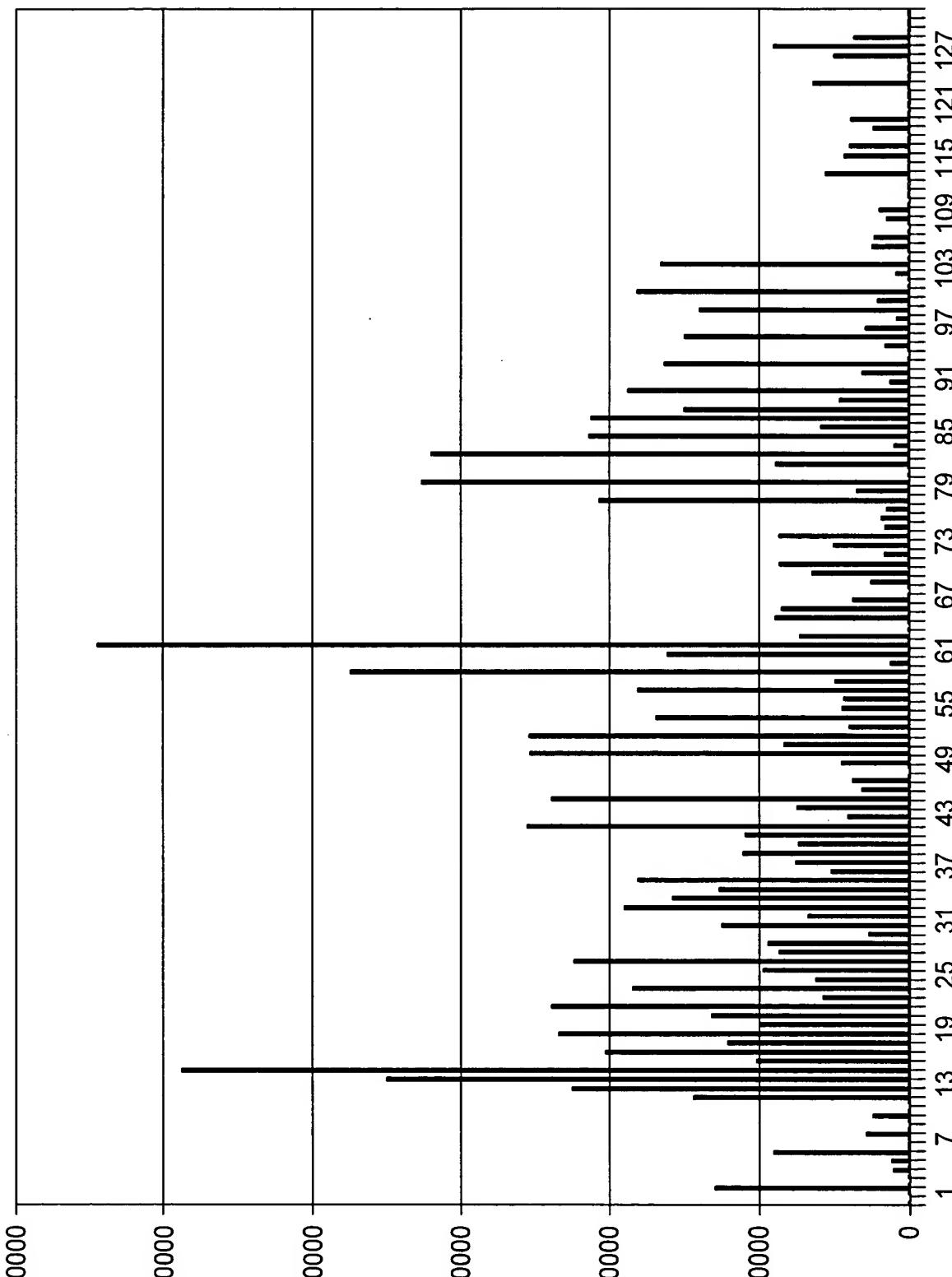
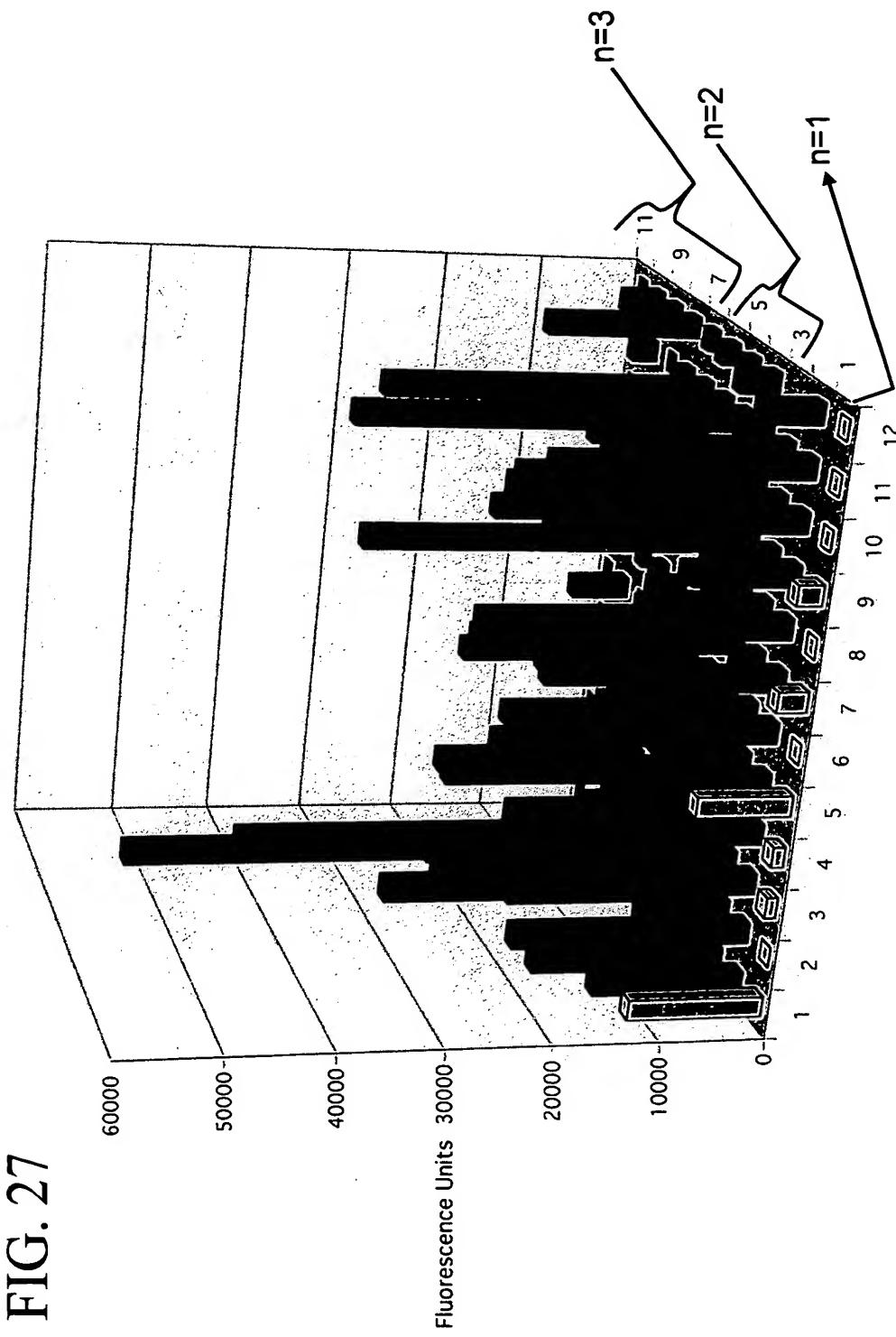


FIG.26



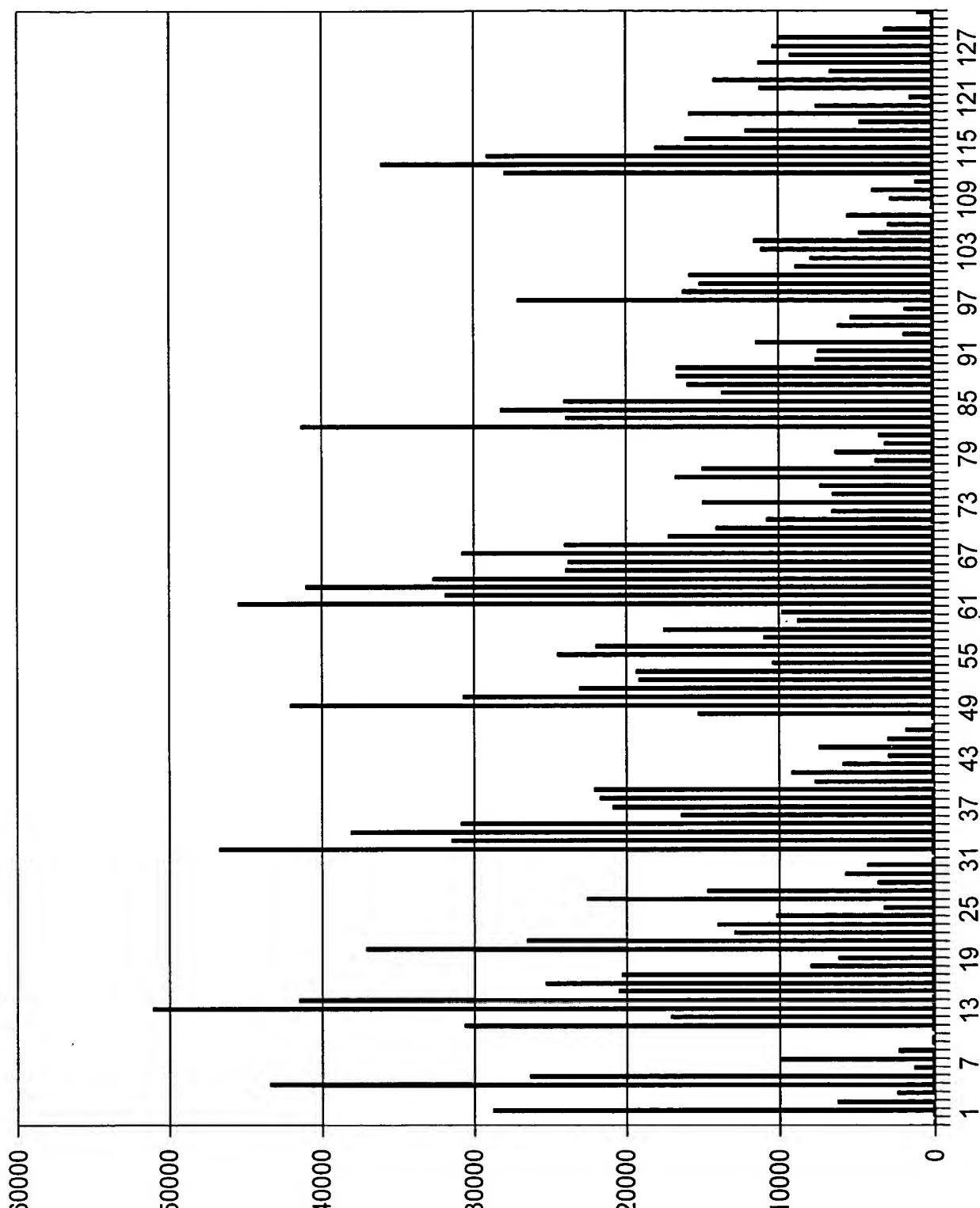


FIG.28

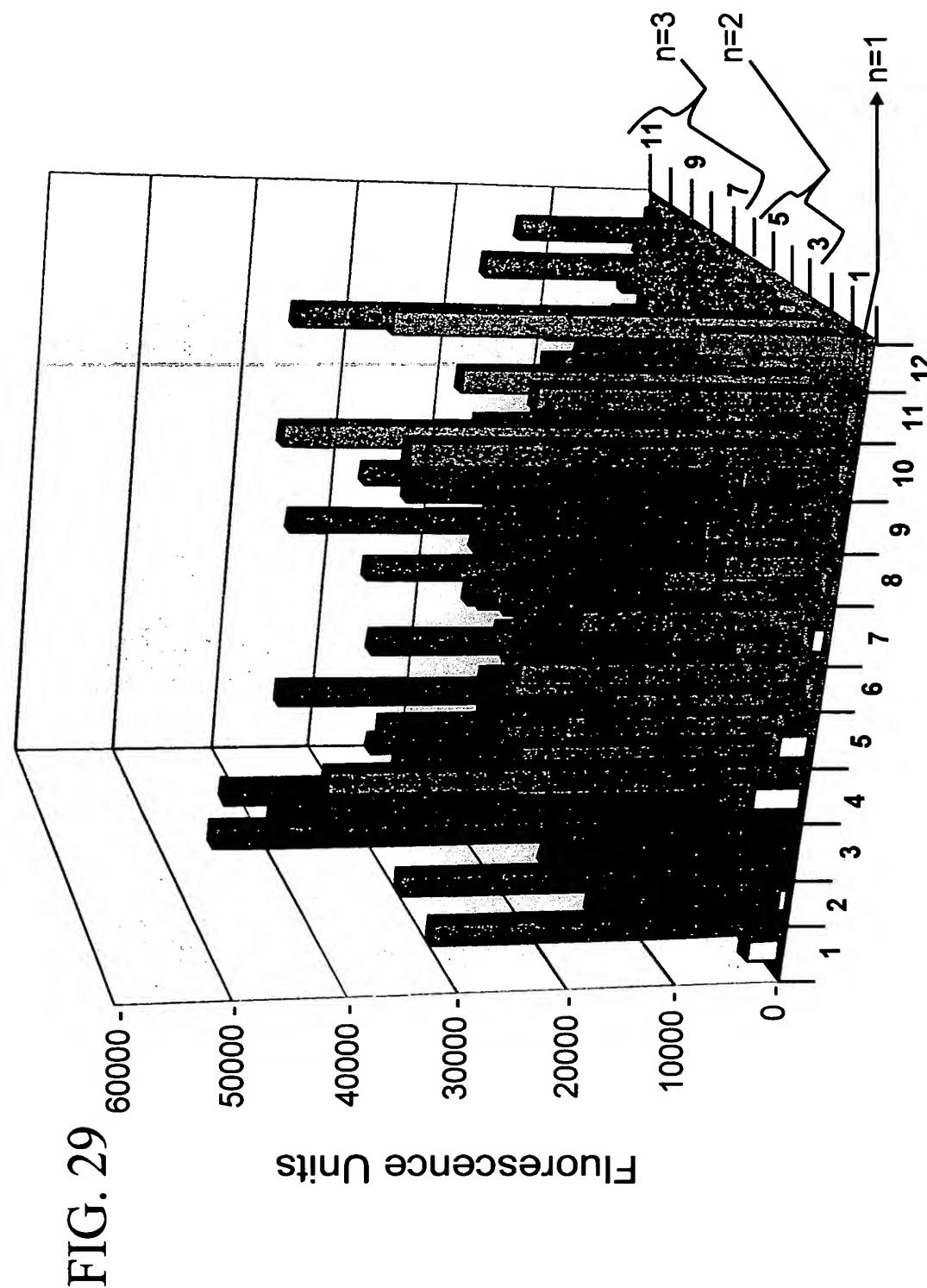
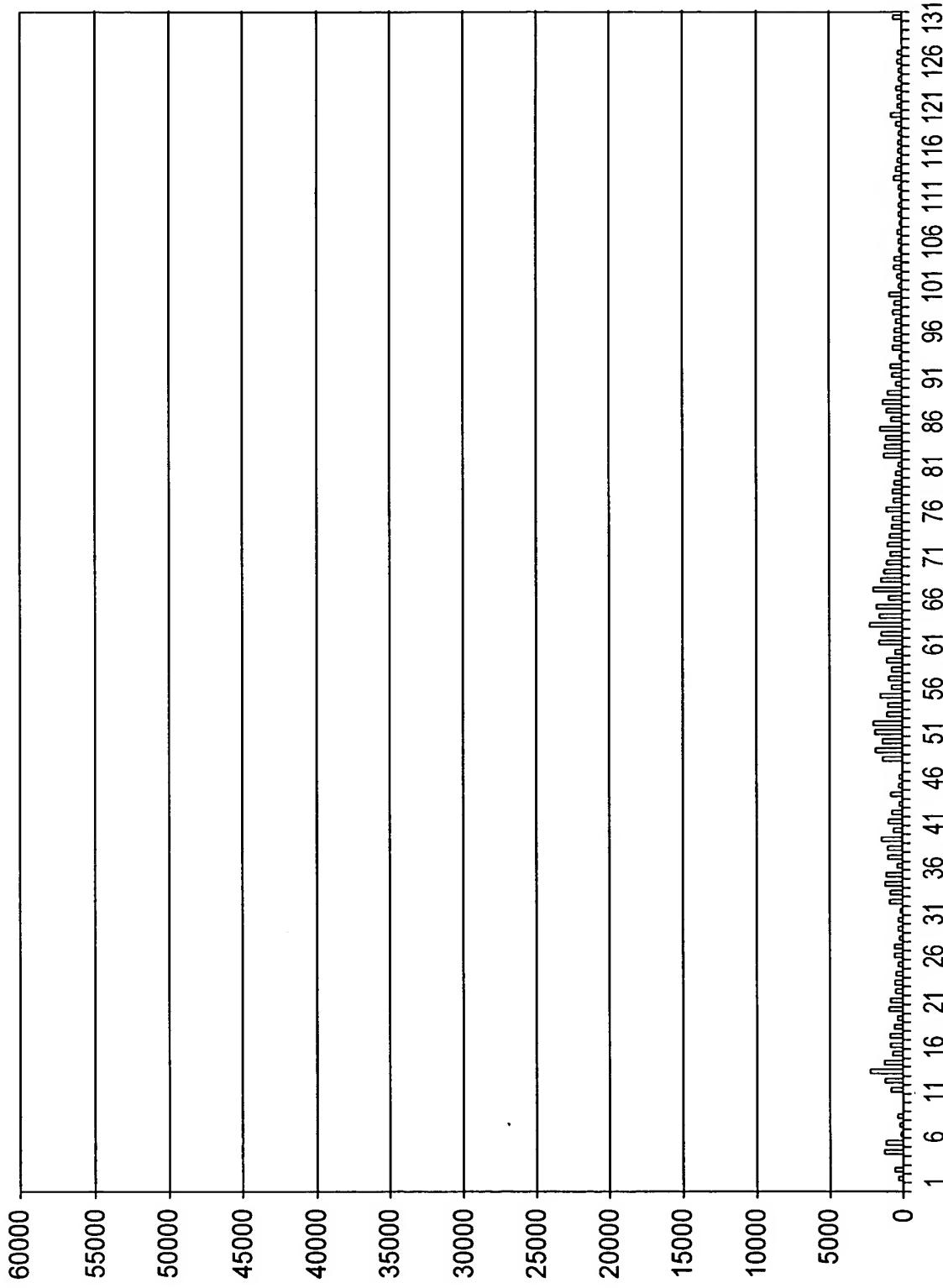
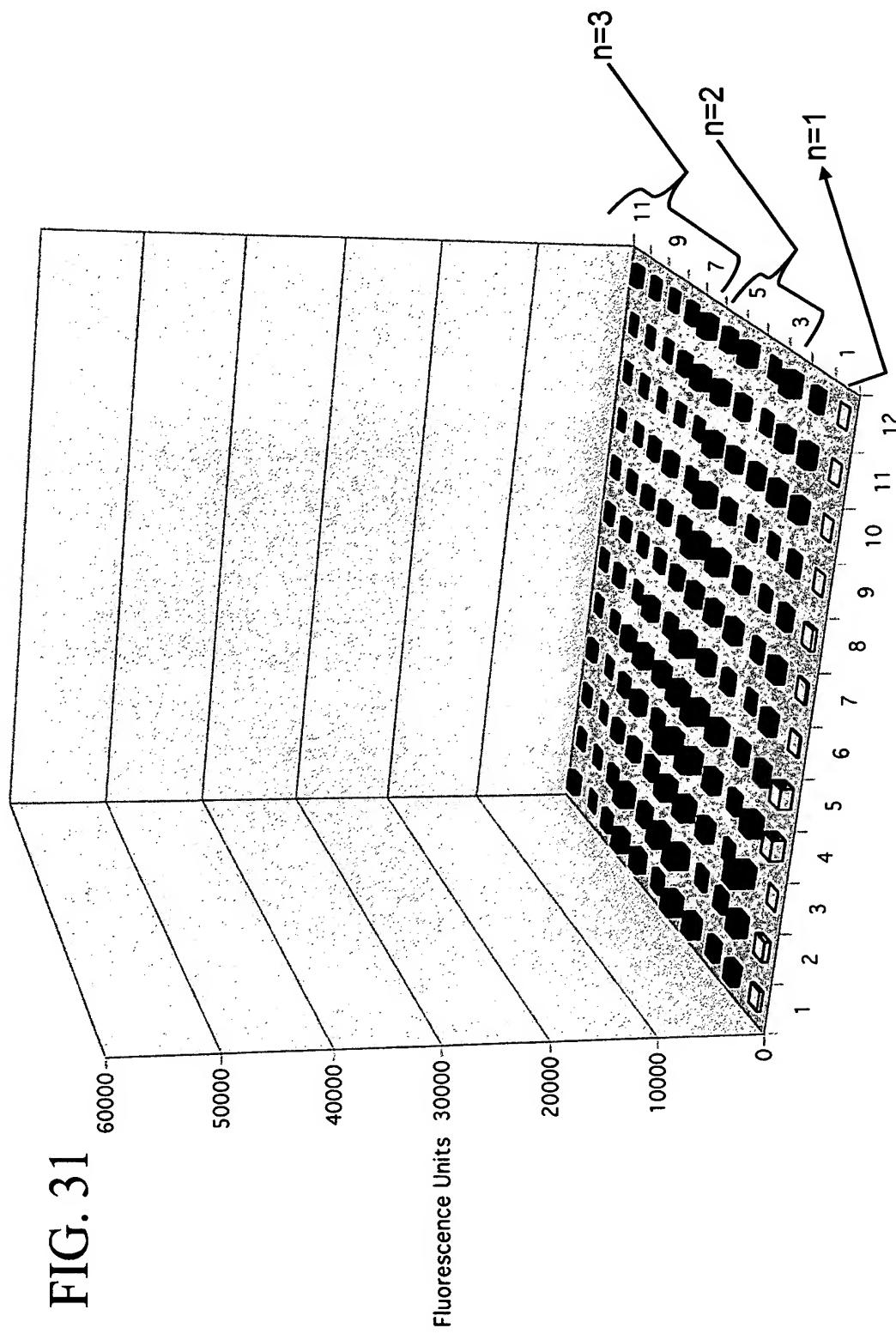


FIG. 30





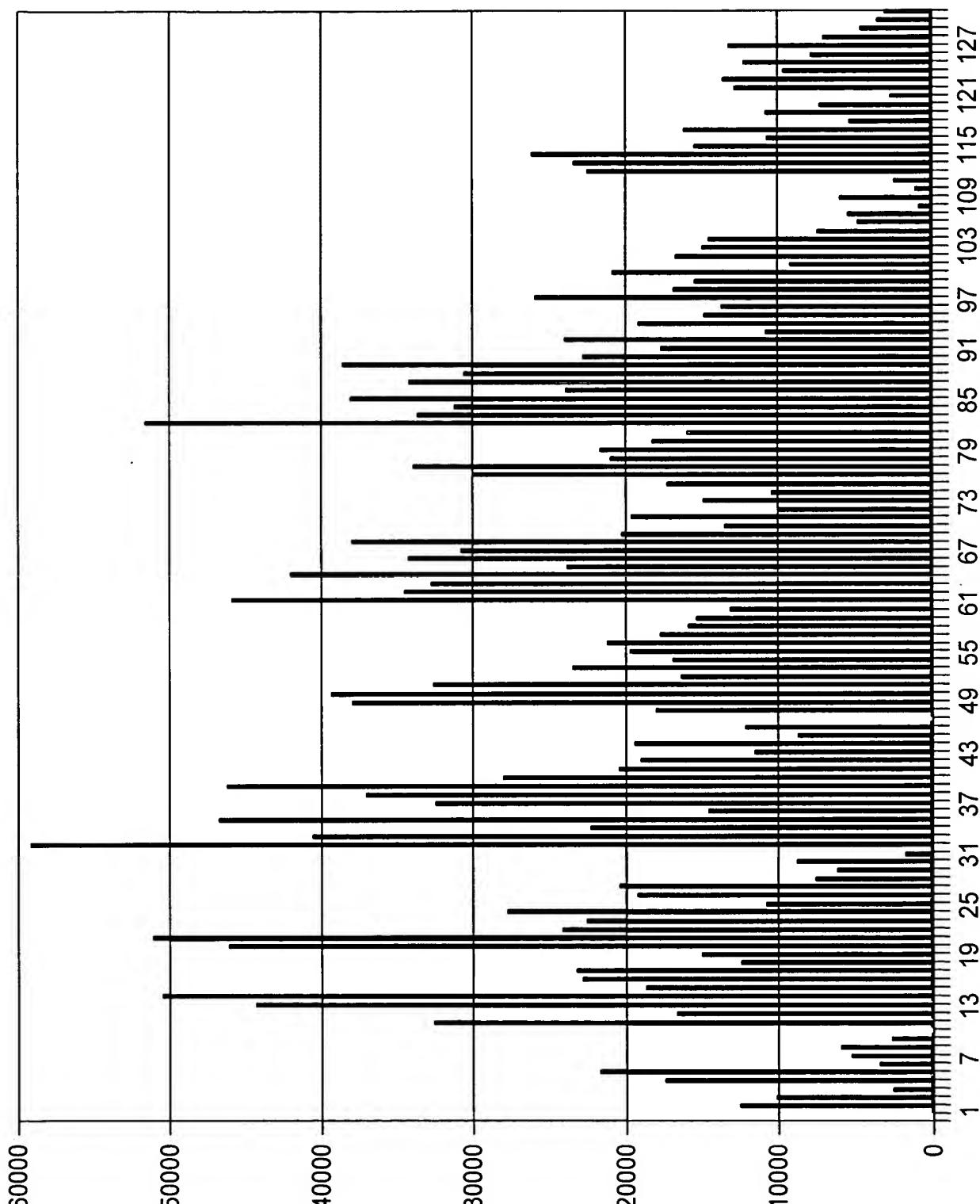
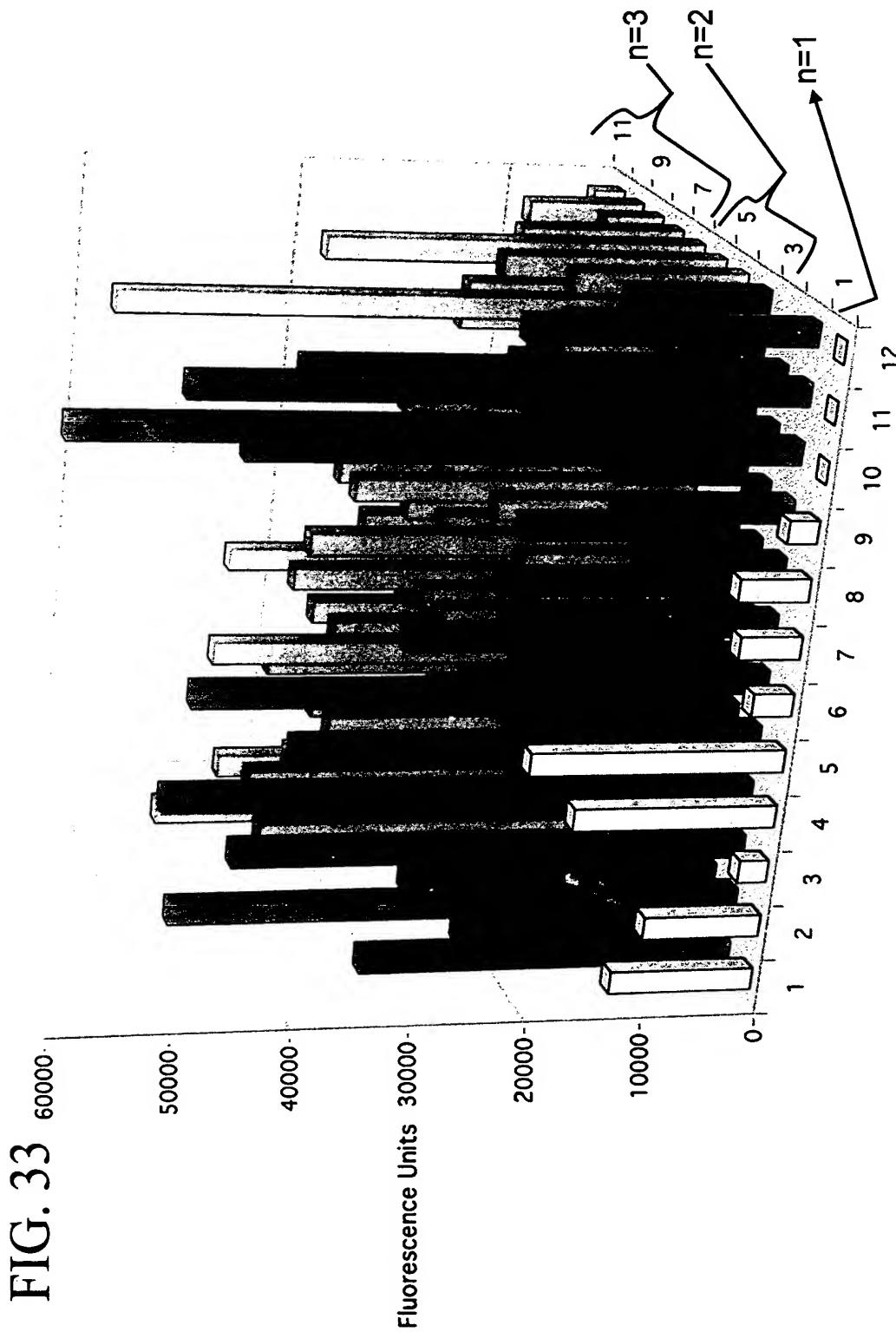


FIG.32



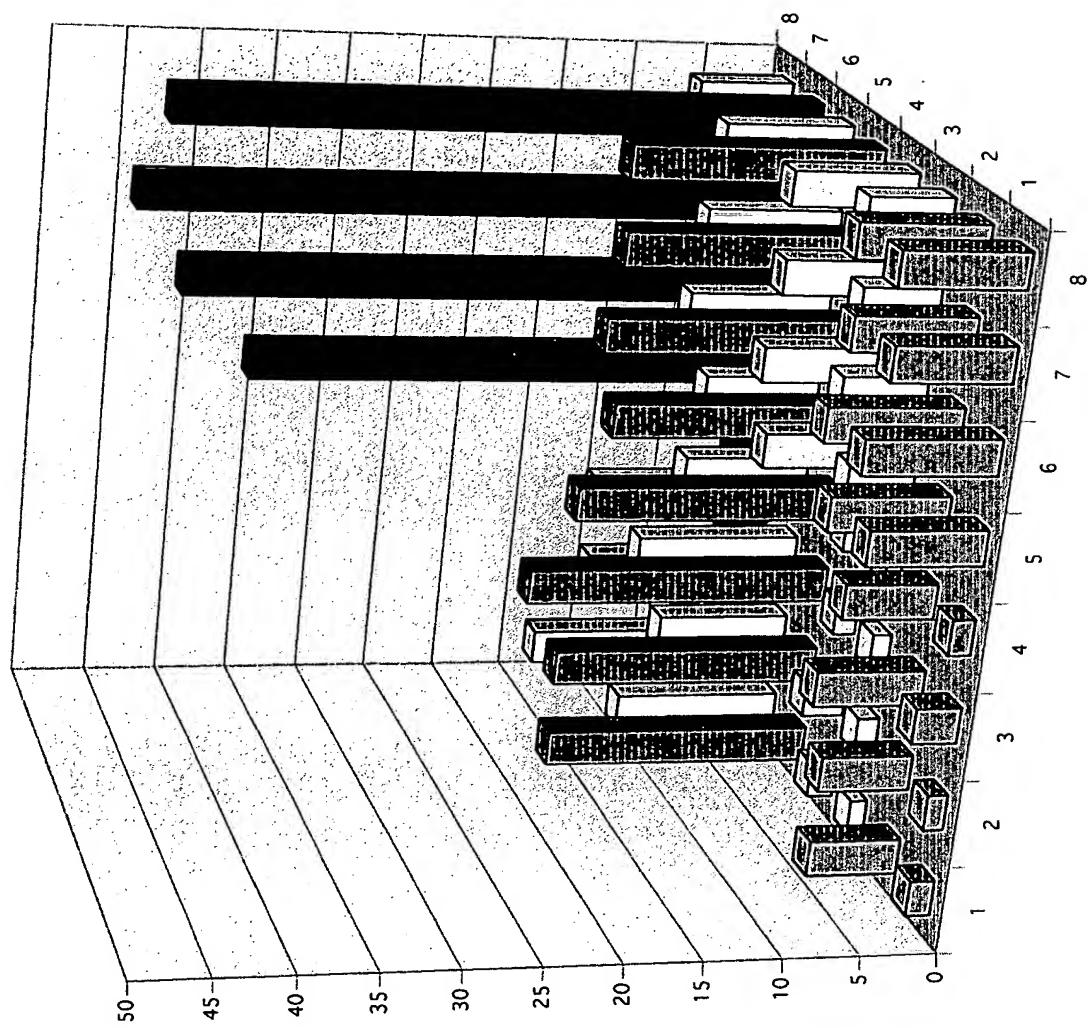


FIG. 34

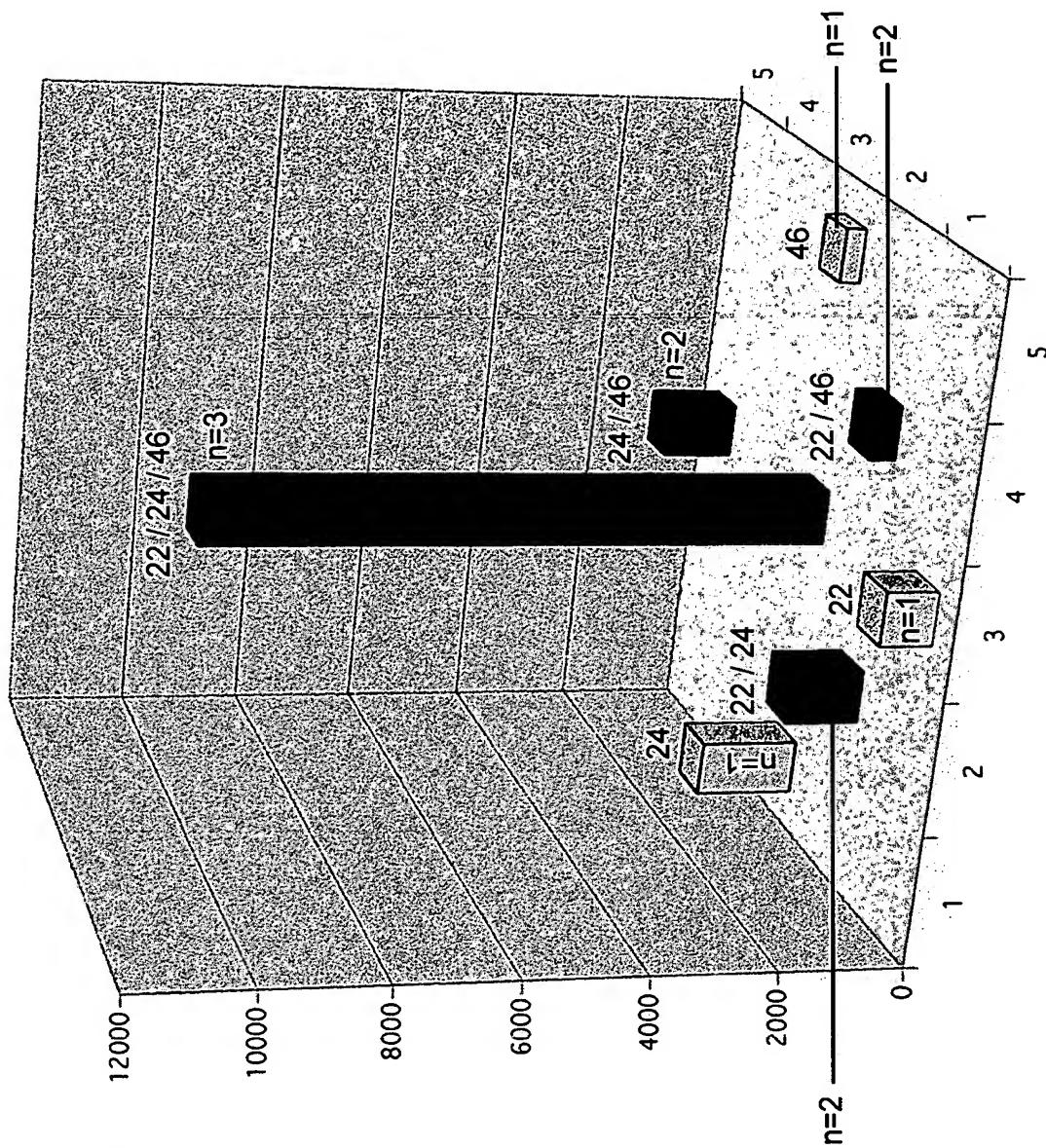
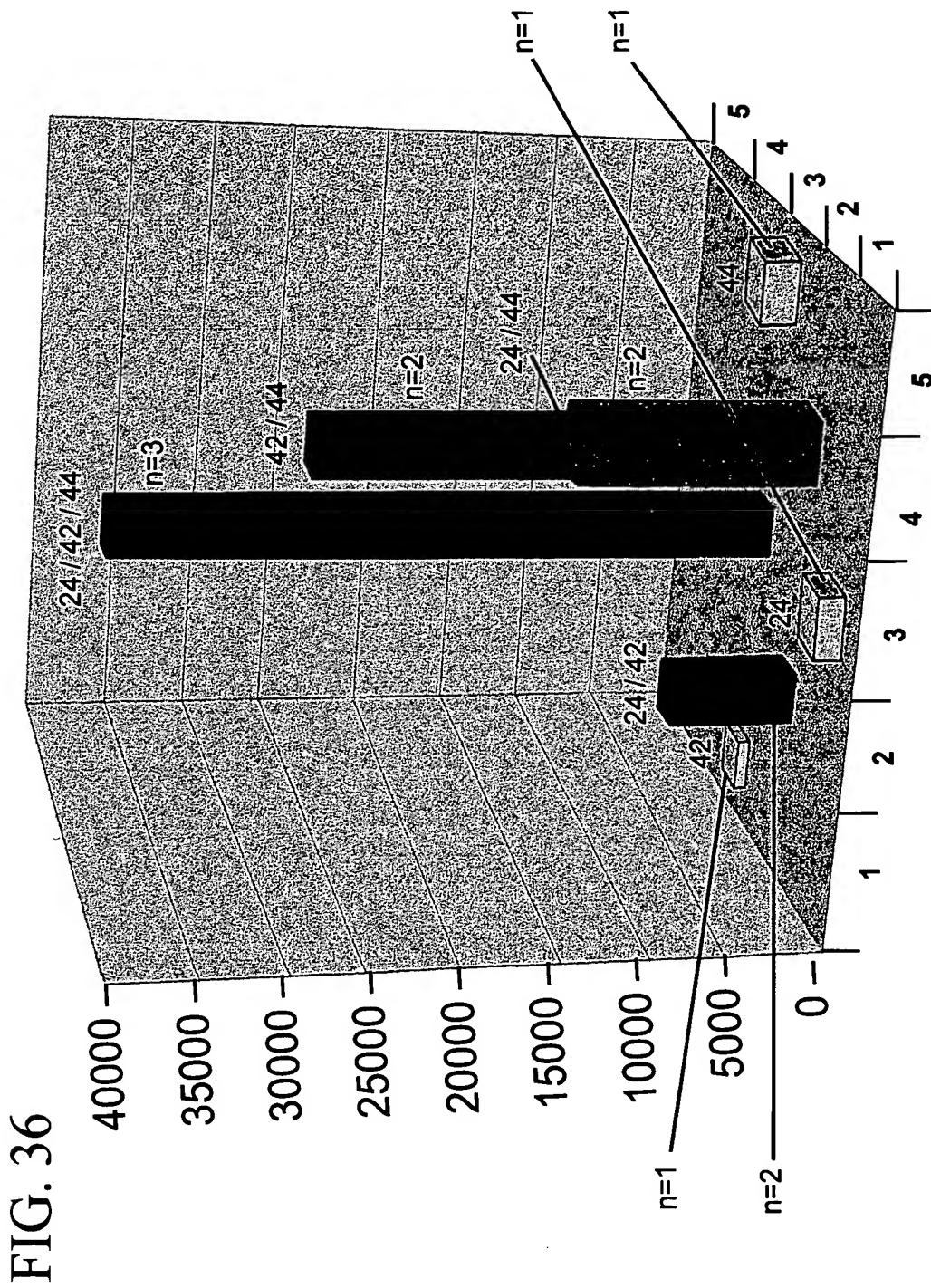


FIG. 35



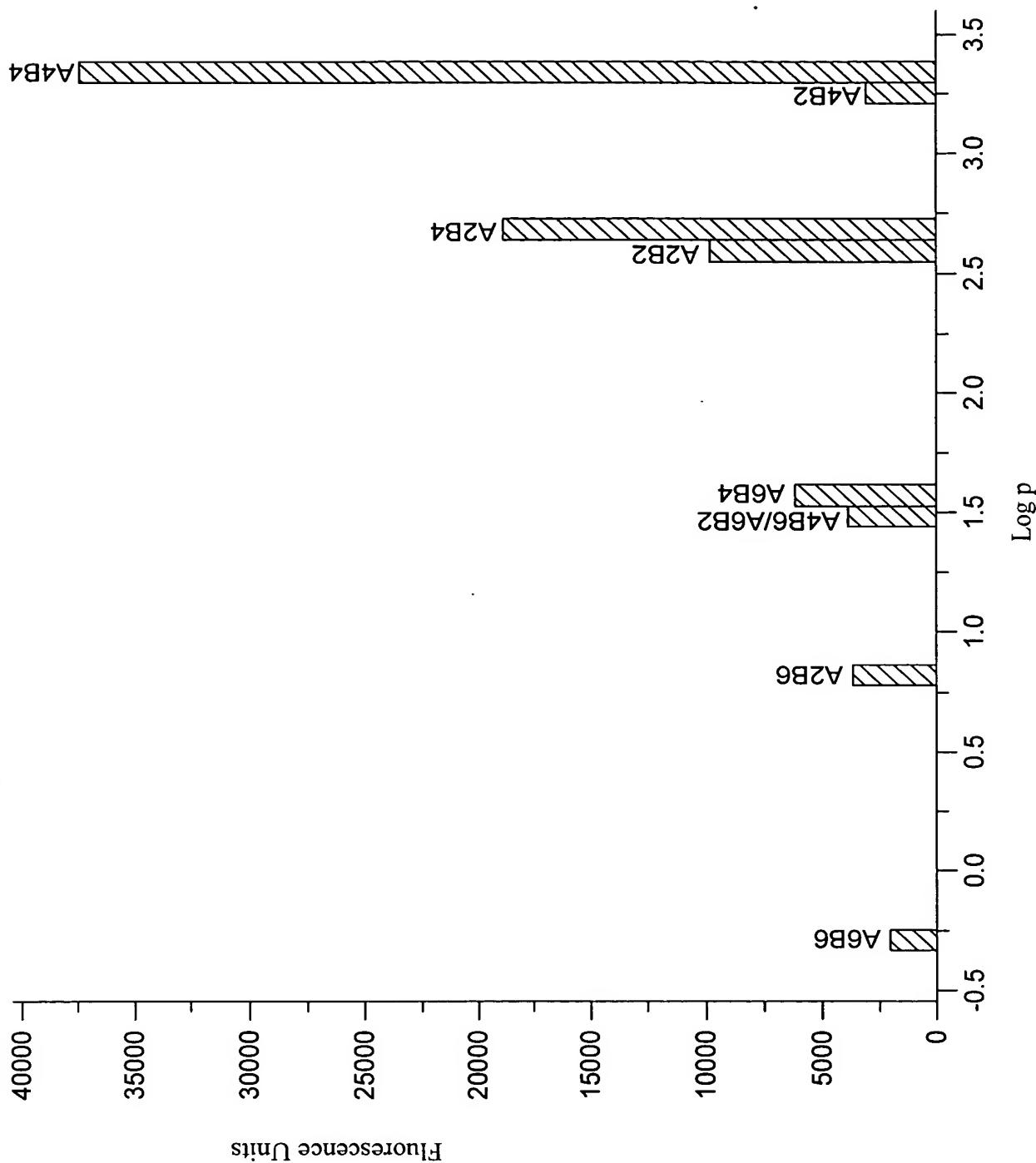


FIG.37

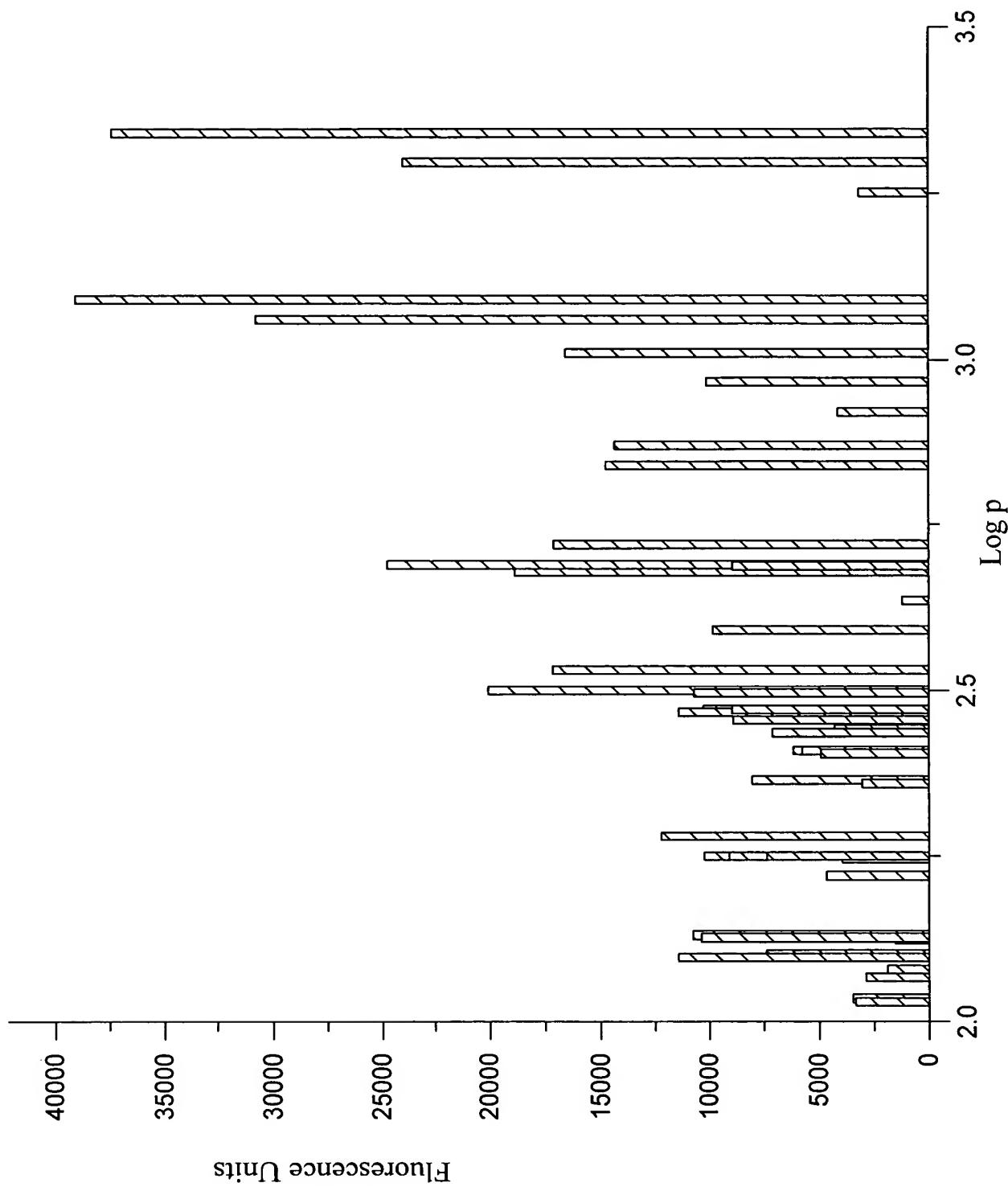


FIG. 38

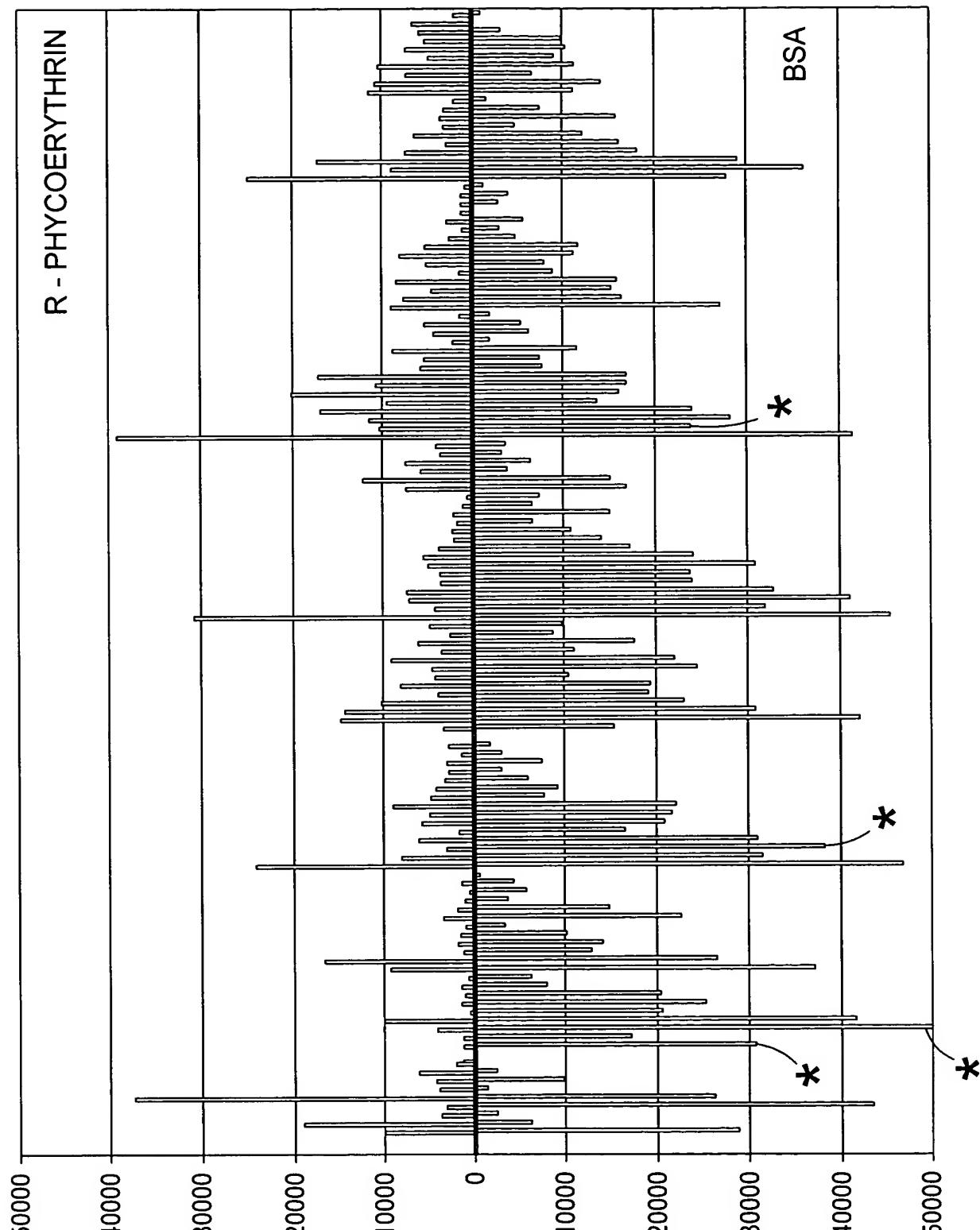


FIG.39

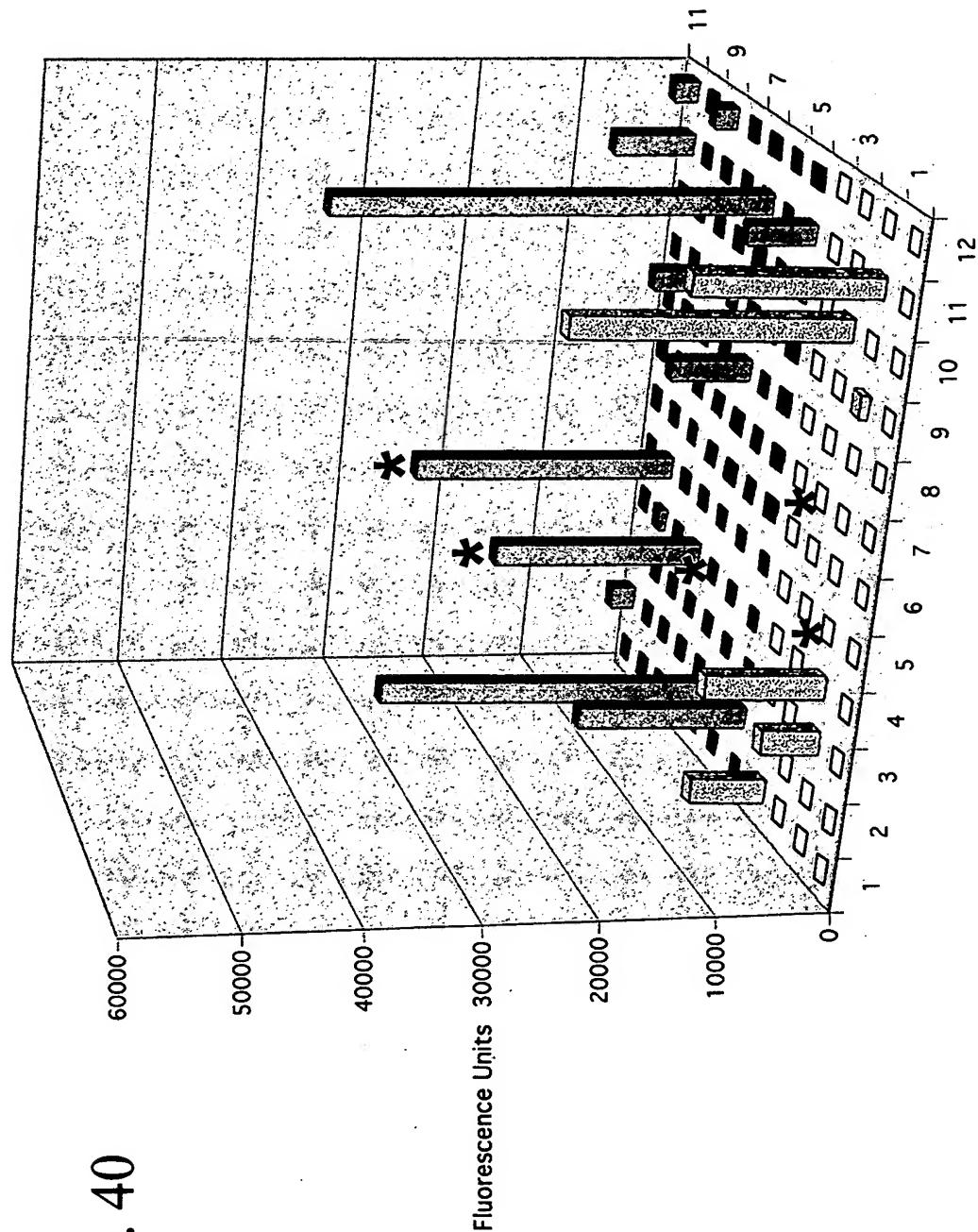
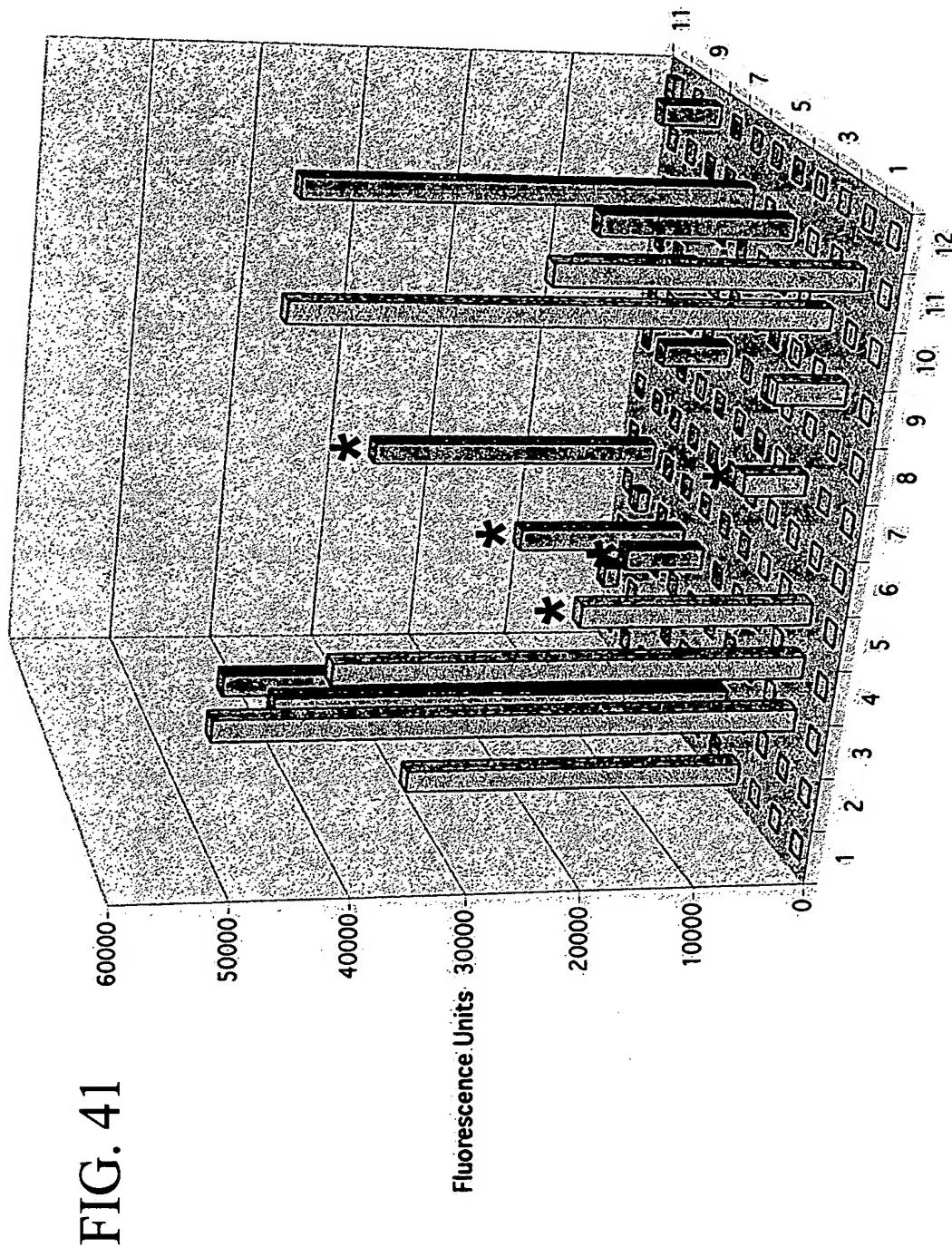
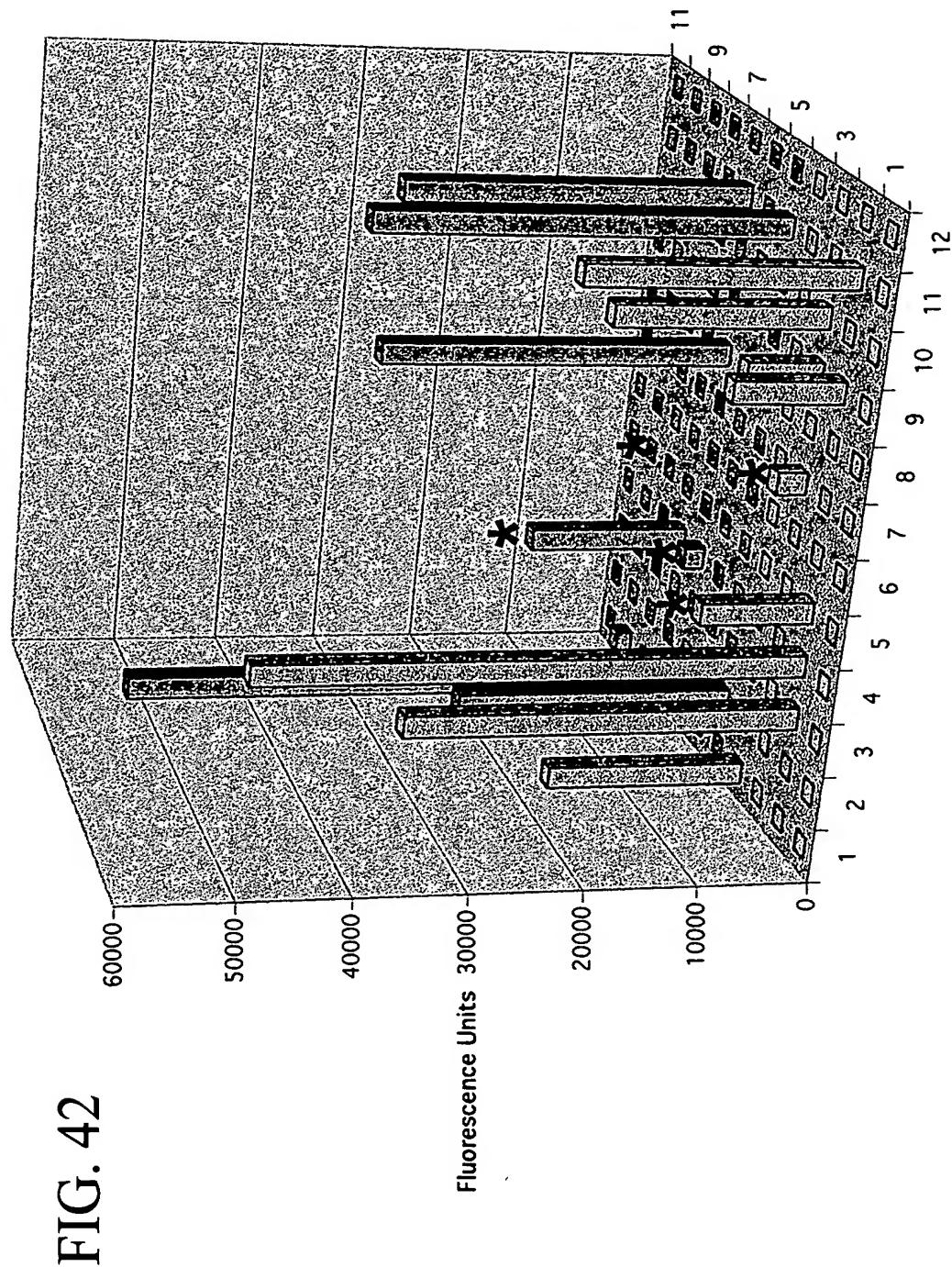


FIG. 40





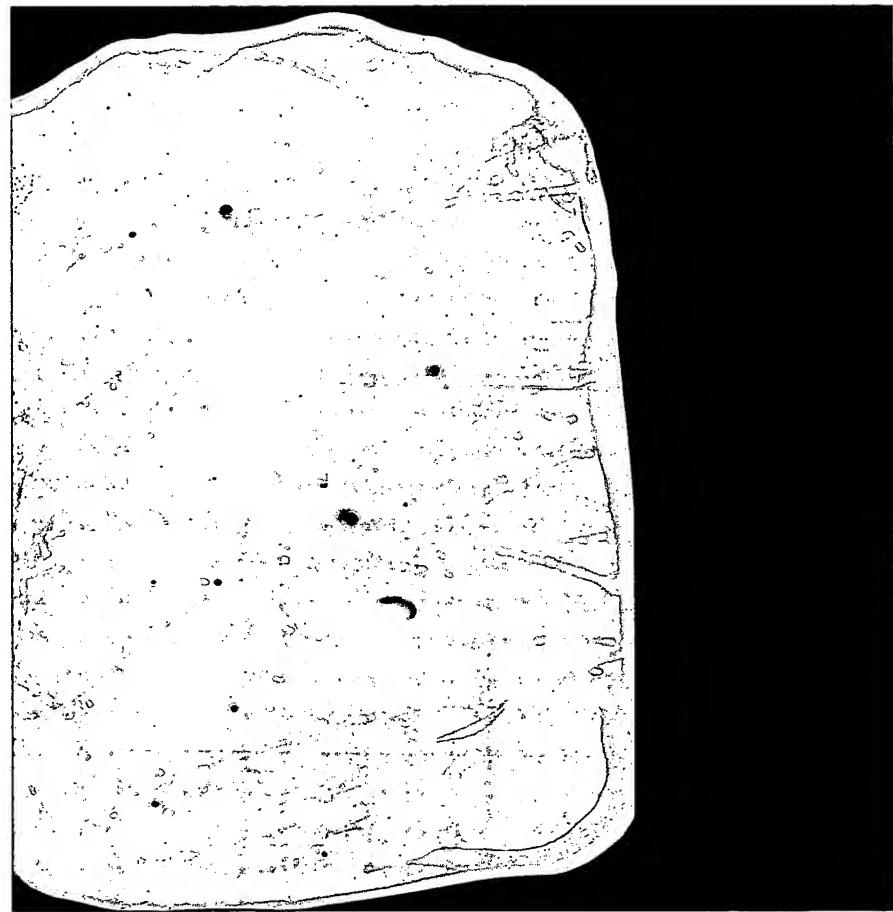


FIG. 43

Origin = 4, 0 pixels
(0.04, 0 mm)
Size = 2180 x 1368 pixels
(21.8 x 13.68 mm)
Scaling = 10 μ m/pixel
Scanner = GenePix 4100A 01 [92896]
No averaging.
PMT Gain = 600
Laser Power = 100%
Normalization Factor = 1
Filter = 670DF40
Focus Position = 0

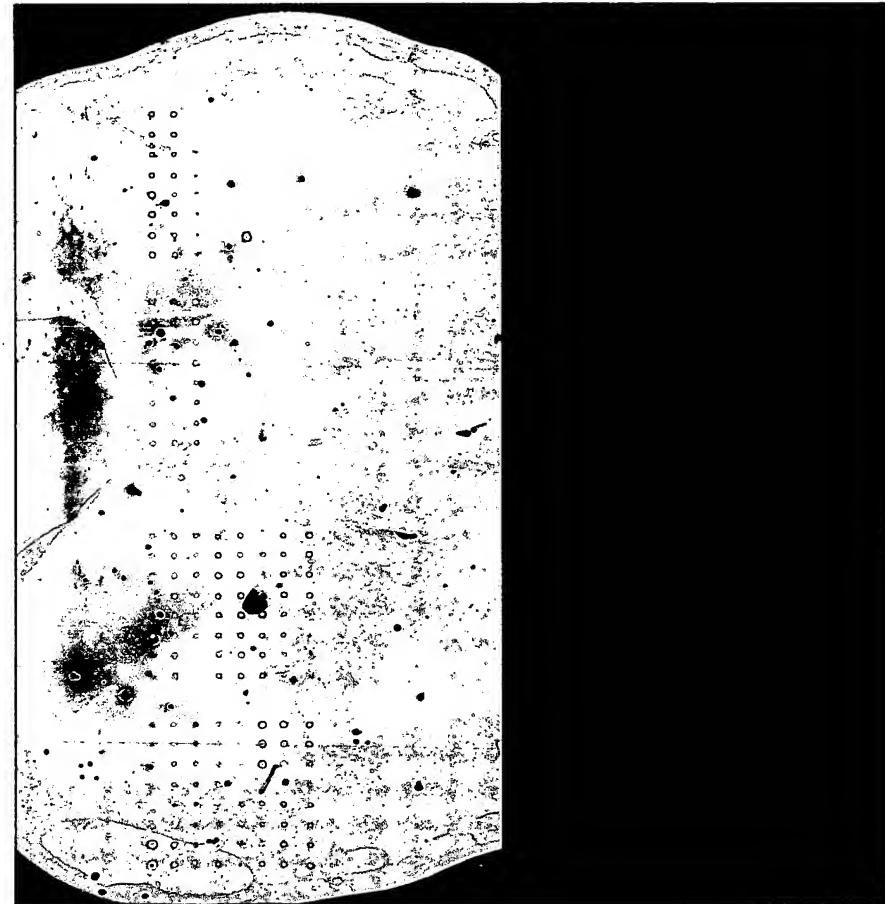


FIG. 44

Origin = 4, 0 pixels
(0.04, 0 mm)
Size = 2180 x 1068 pixels
(21.8 x 10.68 mm)
Scaling = 10 μ m/pixel
Scanner = GenePix 4100A 01 [92896]
No averaging.
PMT Gain = 600
Laser Power = 100%
Normalization Factor = 1
Filter = 670DF40
Focus Position = 0

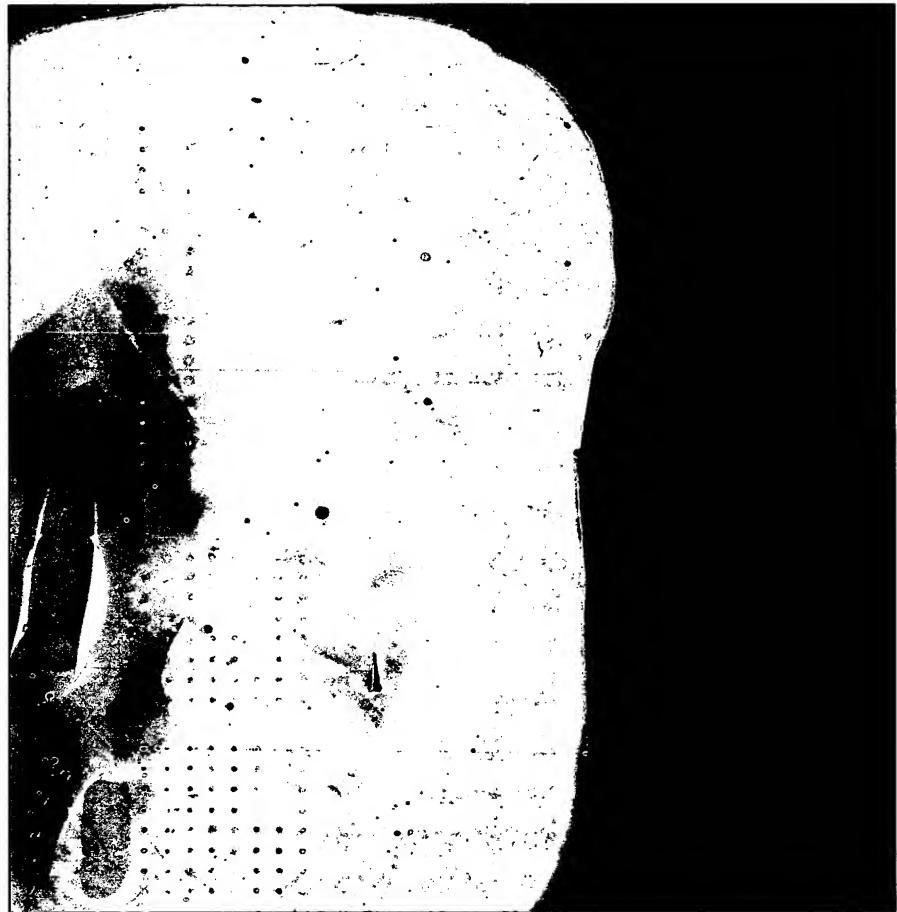


FIG. 45

Origin = 4, 0 pixels
(0.04, 0 mm)
Size = 2180 x 1368 pixels
(21.8 x 13.68 mm)
Scaling = 10 μ m/pixel
Scanner = GenePix 4100A 01 [92896]
No averaging.
PMT Gain = 600
Laser Power = 100%
Normalization Factor = 1
Filter = 670DF40
Focus Position = 0

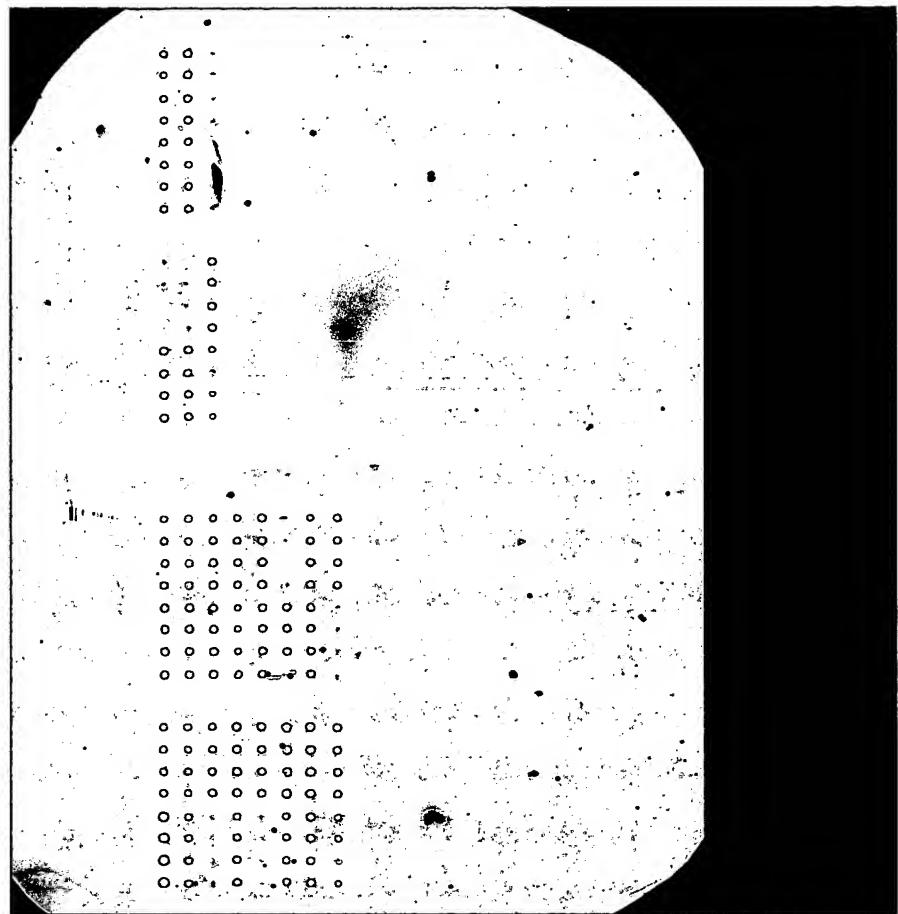


FIG. 46

Origin = 4, 0 pixels
(0.04, 0 mm)
Size = 2180 x 1368 pixels
(21.8 x 13.68 mm)
Scaling = 10 μ m/pixel
Scanner = GenePix 4100A 01 [92896]
No averaging.
PMT Gain = 560
Laser Power = 100%
Normalization Factor = 1
Filter = 670DF40
Focus Position = 0

FIG.47

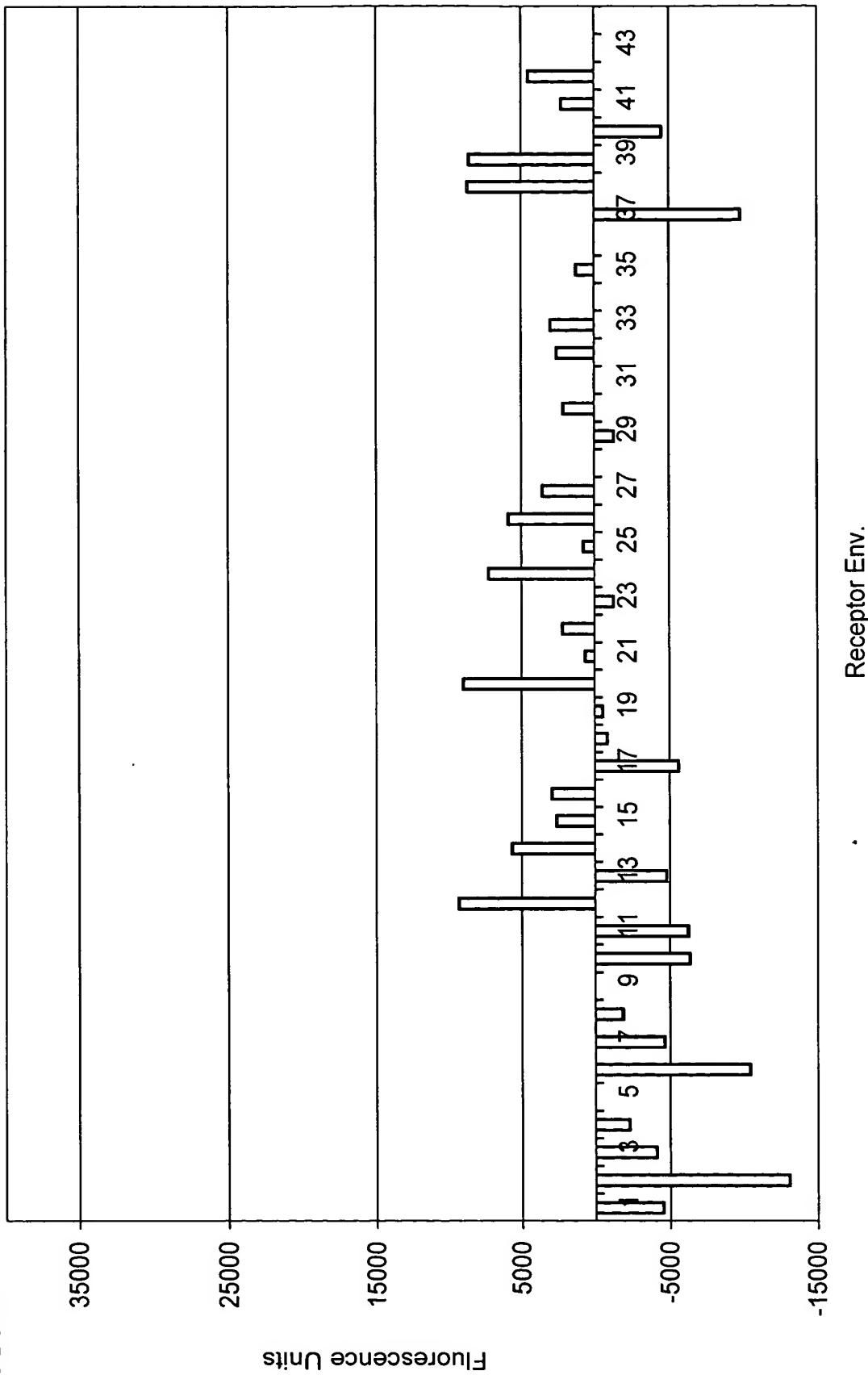


FIG.48

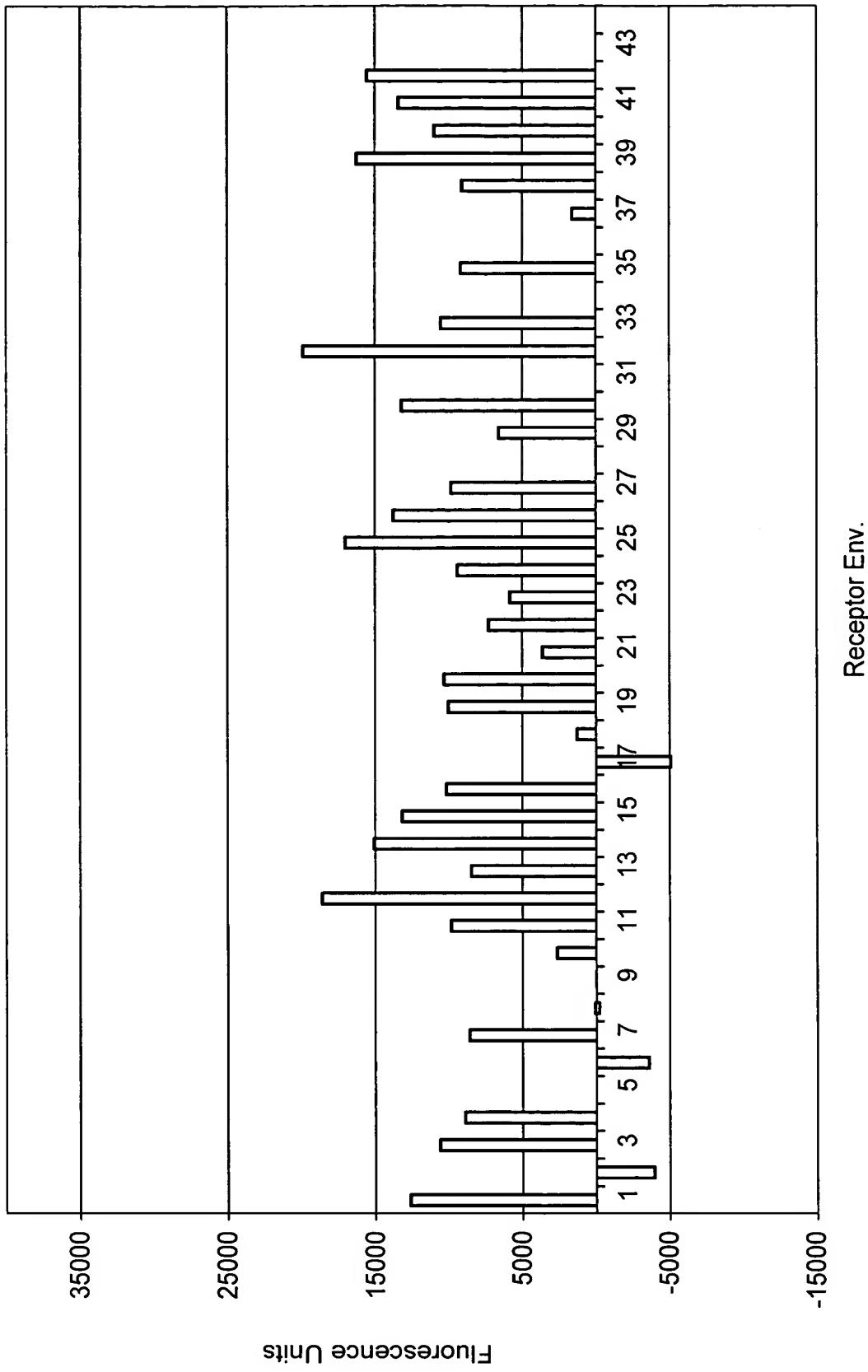


FIG.49

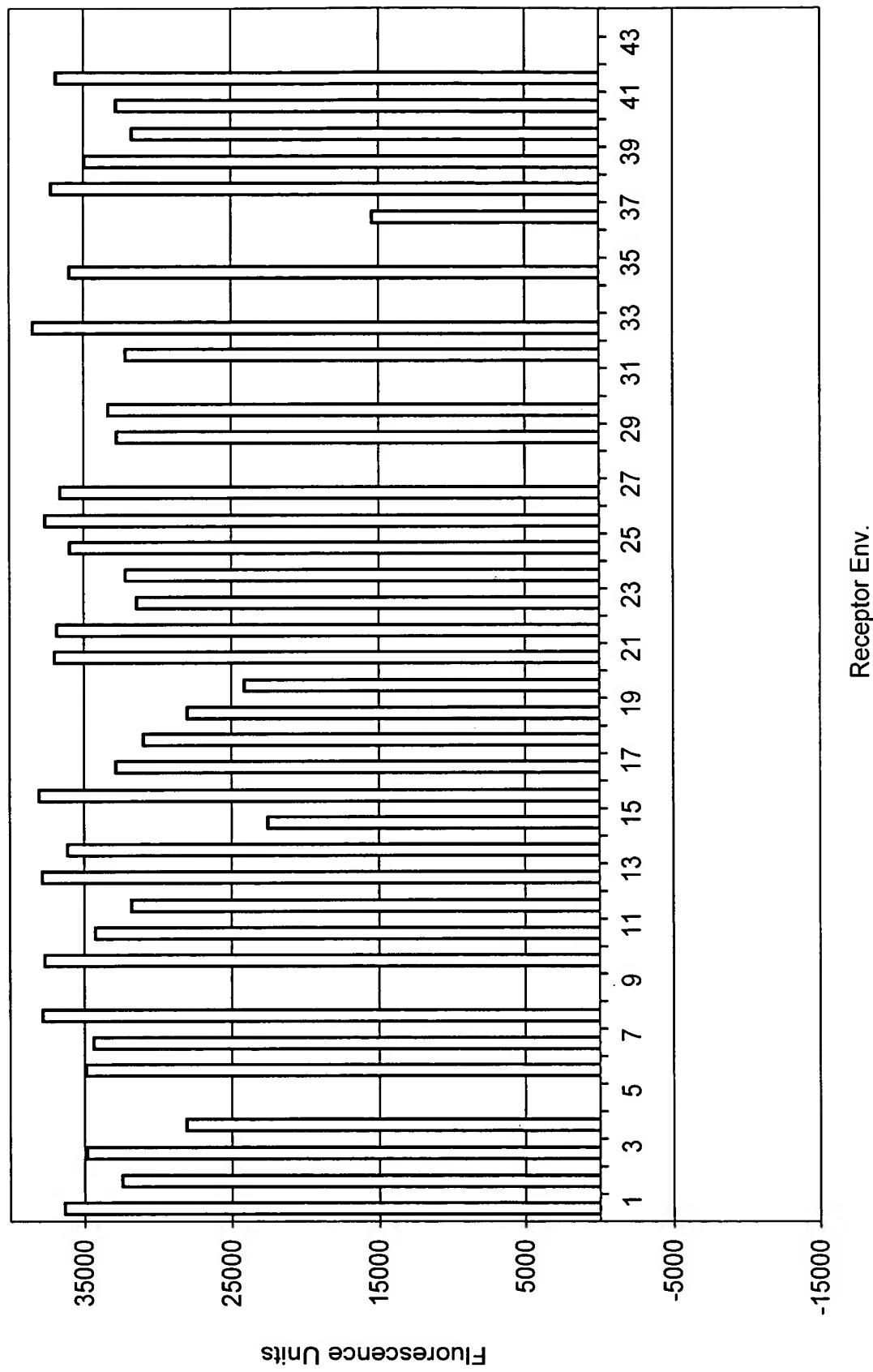
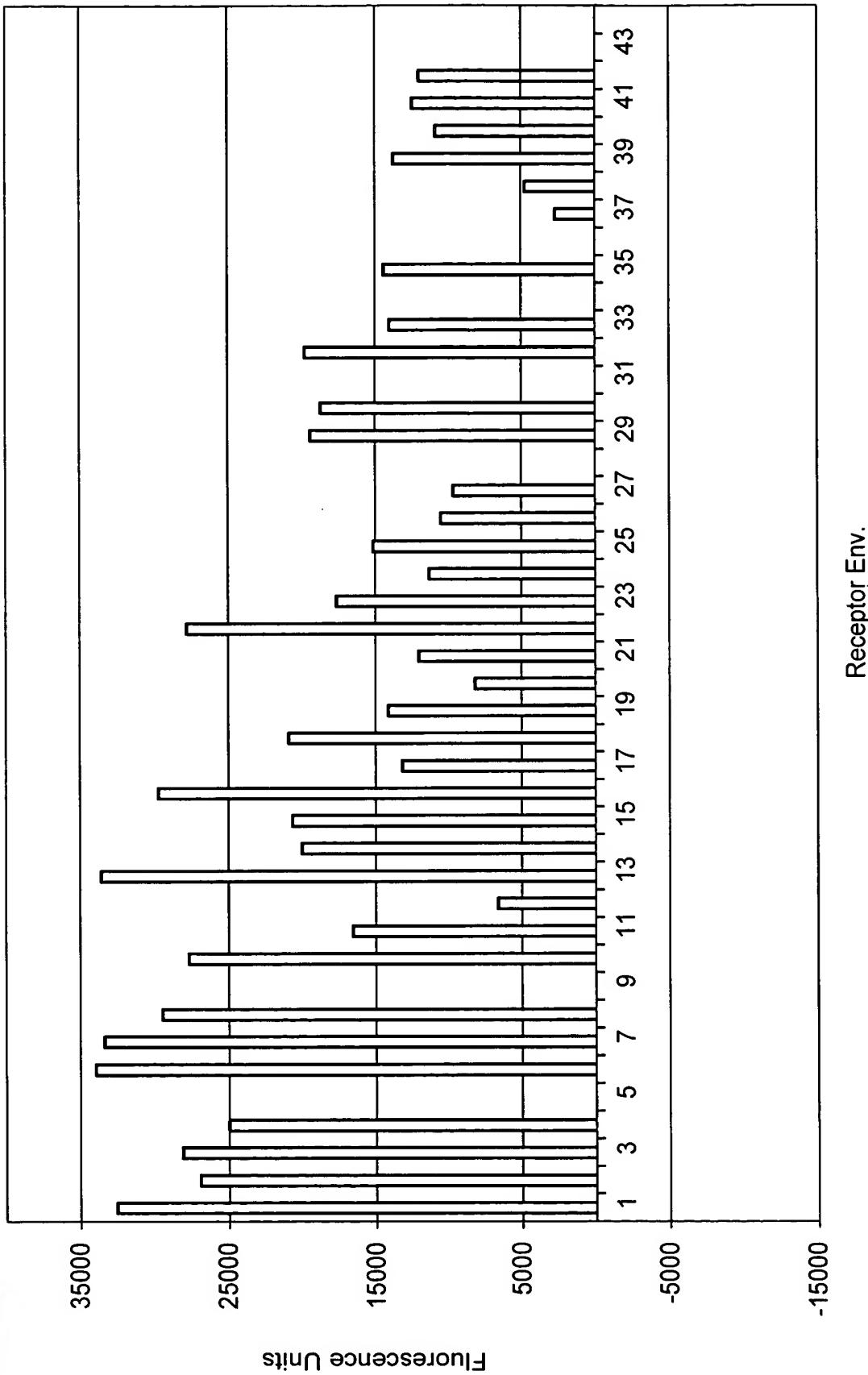


FIG.50



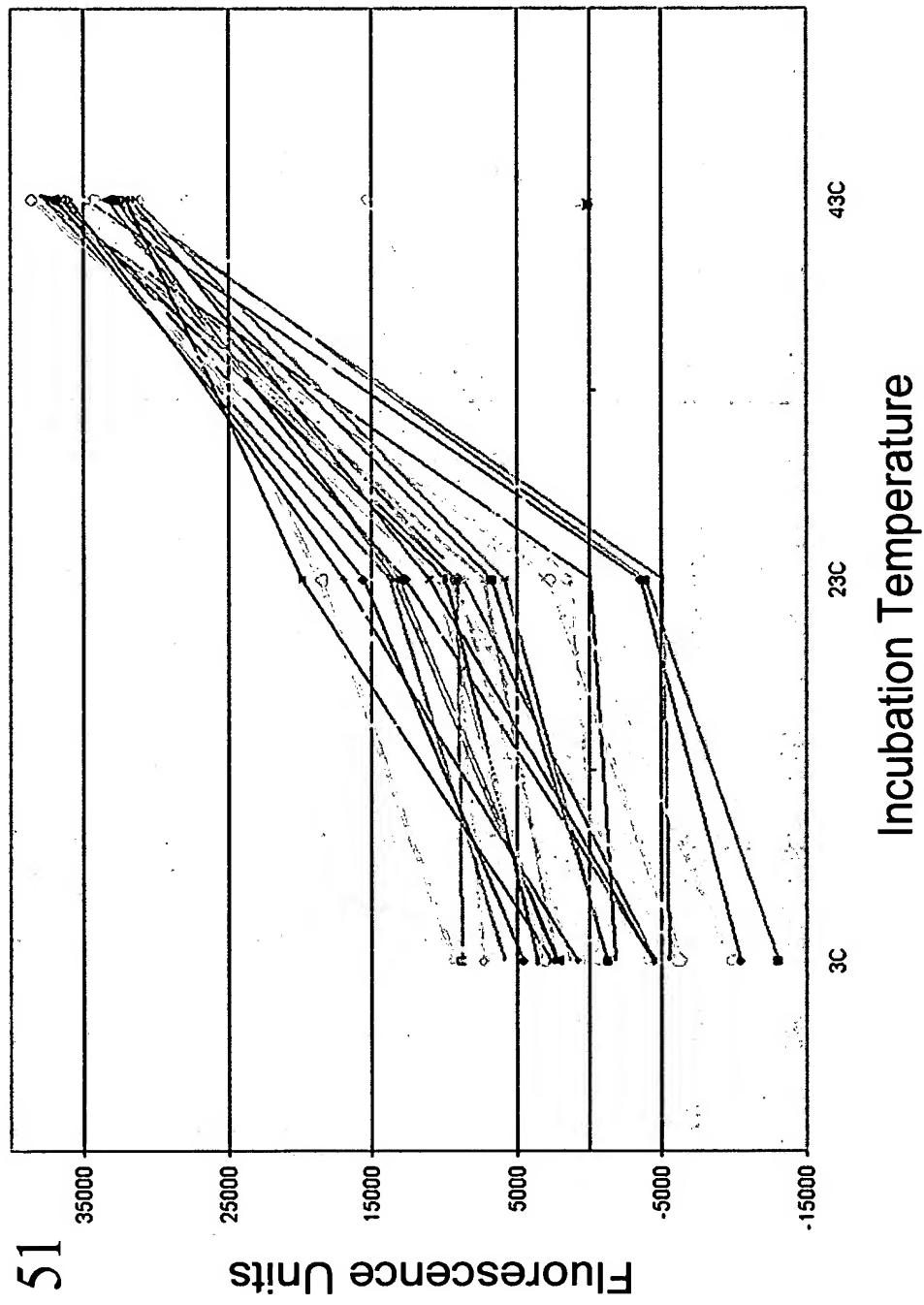


FIG. 51

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